STORM DATA





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Director, National Climatic Data Center

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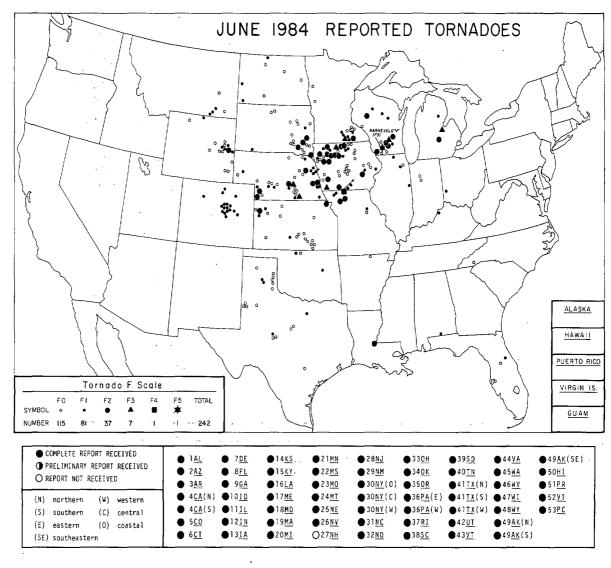
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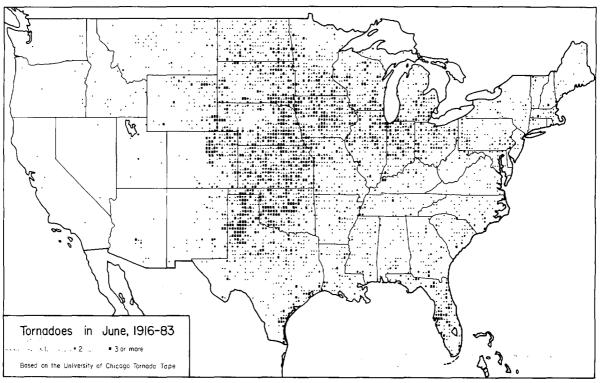
Cover: A subdivision on the northeastern edge of Barneveld, Wisconsin that sustained F5 damage when a tornado struck the town shortly before midnight CST on June 7th. Most of the homes were totally removed from their foundations and disintegrated (see Tornadoes in Southern Wisconsin on pages 9 through 17). ---Photo by Rich Rygh, The Capital Times, Madison, Wisconsin.

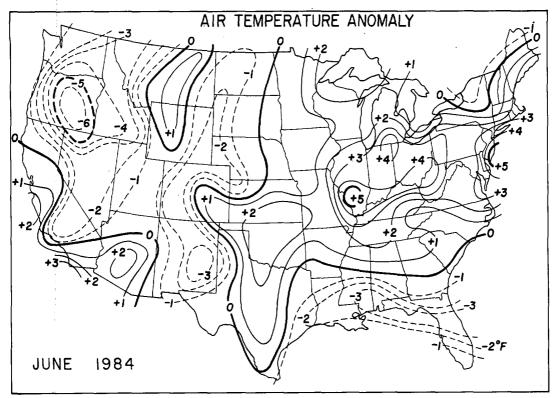
NOTE: The section on Outstanding Storms of the Month is prepared by Professor T. Theodore Fujita, editor, and Duane J. Stiegler, associate editor, University of Chicago. The narrative descriptions of Storms by State and Summaries of Hurricanes and Tropical Storms are prepared by the National Weather Service. The National Climatic Data Center compiles the statistics on deaths, injuries, and damage. This publication contains our best information on Storms, but, due to the difficulties inherent in collection of this type of data, it is not all-inclusive. Late reports and corrections will be carried quarterly.

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OUTSTANDING STORMS OF THE MONTH

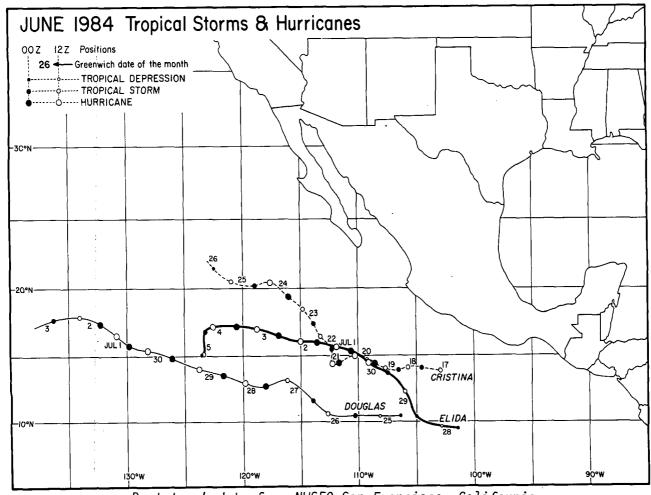






---Data base from NOAA/USDA Joint Agricultural Weather Facility.

TROPICAL STORMS AND HURRICANES



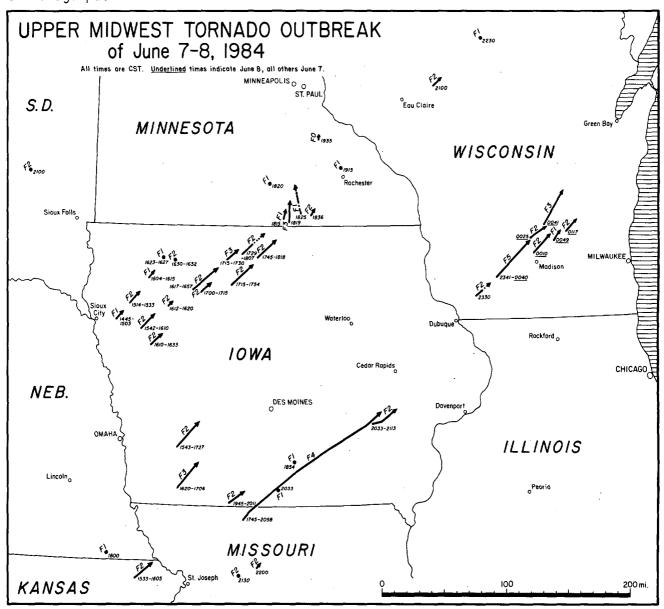
---Best track data from NWSFO San Francisco, California.

1. TORNADO OUTBREAK in the UPPER MIDWEST on June 7-8, 1984

During an 11-hour period from mid afternoon on June 7th to the early morning of the 8th, severe thunderstorms produced 42 tornadoes in the Upper Midwest, including the states of Kansas, Nebraska, South Dakota, Missouri, Iowa, Minnesota and Wisconsin (see map below). Most of the tornadoes moved in a northeasterly direction, and 21 (50%) tracked through Iowa. Many of the tornadoes occurred in two clusters, one extending from northwest Iowa into south-central Minnesota and the second through south-central Wisconsin near Madison.

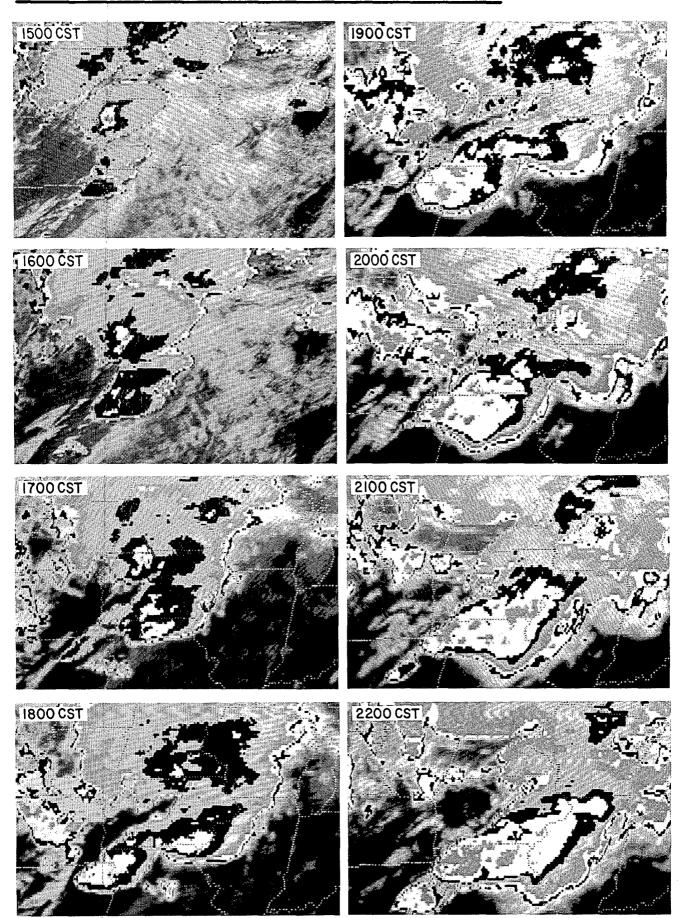
The tornado breakdown by F scale is: 1-F0, 12-F1, 23-F2, 4-F3, 1-F4 and 1-F5. The F4 tornado carved an extremely long, 127-mile path from near Eagleville, Missouri to about 25 miles southwest of Iowa City in east-central Iowa. The F5 tornado, rated in the highest F scale catagory attained by any tornado, devastated the small town of Barneveld, Wisconsin, and is featured on pages 9 through 17.

Together, the tornadoes caused 13 deaths and 319 injuries, and produced 584 miles of damage path.



---Data supplied by NWSFOs at Des Moines, Iowa; Topeka, Kansas; Minneapolis, Minnesota; St. Charles, Missouri; Omaha, Nebraska; Sioux Falls, South Dakota; and Milwaukee, Wisconsin. Mapped by the University of Chicago.

- 5



A sequence of GOES East satellite, infrared photos show the hourly change in the cloud-top temperature pattern of the storms as they were producing tornadoes on June 7th. Satellite photos during the Wisconsin Tornadoes are on page 9. (Photos from NESDIS)

- 6 -

The only tornado to occur in Kansas, and the southwesternmost of the outbreak, carved an 18-mile, northeasterly path near Hiawatha in Brown County. The F2 tornado was responsible for a heart-attack death, 5 injuries and significant farm damage.



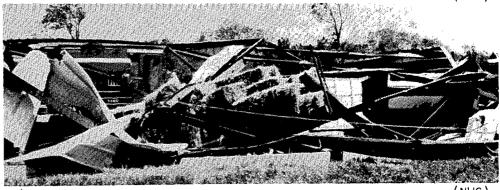
A semi-trailer truck overturned by the tornado on US Hwy 36, west of Hiawatha. (HDW)



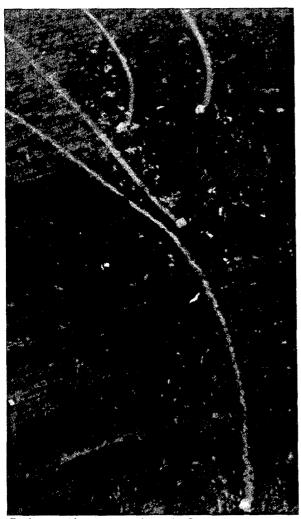


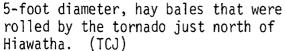
PHOTOS OTHER THAN TOP LEFT: Damage sustained by a farm 5 miles southwest of Hiawatha. A wooden barn and steel and sheet metal machinery building were totally destroyed, and two silos had their tops blown off. The house remained standing, but was heavily damaged. Only a milking parlor was left almost damage free.





(NWS)









BOTH PHOTOS ABOVE: A damaged farm, 1.5 miles north of Hiawatha. (NWS)

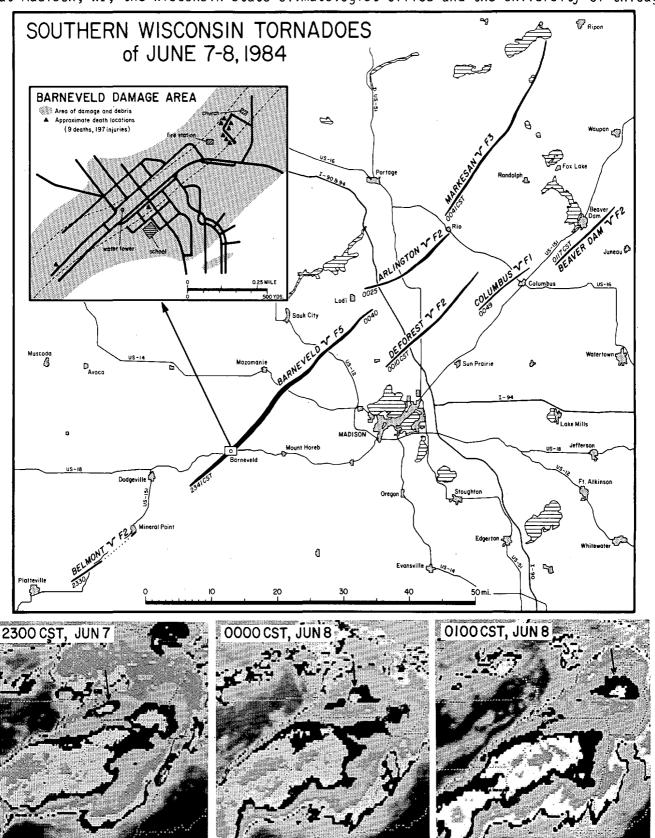
---All photos supplied by Steven D. Schurr, NWSFO Topeka, Kansas. Credits as follows: (HDW) Hiawatha Daily World, (TCJ) Topeka Capital-Journal and (NWS) Phil Shideler, NWSFO Topeka, Kansas.

1b. DOWNBURST WINDS at WETMORE, KANSAS on June 7, 1984

The storms that produced the tornado outbreak on June 7th also caused downburst winds in many areas. The damage pictured at right is from a downburst that struck downtown Wetmore, Kansas at 1905 CST. ---Photo from the Topeka Capital-Journal.

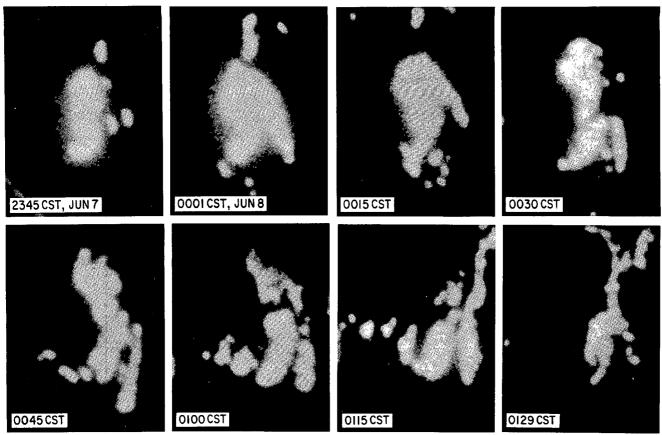


Mapped below are the 7 tornadoes that occurred in southern Wisconsin during the June 7-8 outbreak, including an enlargement of the Barneveld area where F5 damage was sustained. ---Mapping from surveys conducted by the National Weather Service Office at Madison, WI, the Wisconsin State Climatologist Office and the University of Chicago.



GOES East satellite, infrared photos taken during the period of tornado activity in southern Wisconsin. Note the fast-moving, cold cloud top indicated by the black arrow. ---Photos from NESDIS.

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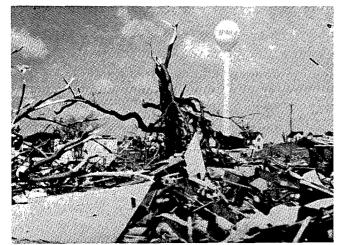


A Neenah, Wisconsin radar sequence depicting the line of echos associated with the storms that spawned the tornadoes in southern Wisconsin. Two bow echos were apparent as the storm line moved east-northeastward. ---Radar microfilm from NCDC.



An aerial view (looking north) of downtown Barneveld, Wisconsin on the morning following the tornado. The tornado moved from left to right. Nearly 90% of the town was damaged or destroyed and total damage estimates approached \$25 million. The water tower survived, although it was dented by the impact of numerous airborne objects. Since a rag was found wedged halfway under its base, it is believed to have flexed in the wind as the tornado passed over it, causing its base to lift momentarily. (CT)

TORNADOES in SOUTHERN WISCONSIN ---- continued



A demolished home and battered tree. (WSC)



A home that sank into its own basement as it was torn apart by the tornado. (WSC)



Debris cascades down the front of a twostory building in the business district of Barneveld. (WSC)

RIGHT: Two overturned pickup trucks that were blown at least 100 yards each. (WSC)



An aerial view, looking ESE at the southwest edge of town, shows varying degrees of damage to homes. (CT)





A destroyed farm on the southwest end of town, and nearby foundations where homes once stood. (CT)



Damage to businesses in downtown Barneveld. (CT)

TORNADOES in SOUTHERN WISCONSIN ---- continued

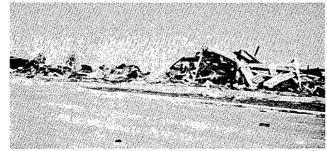


Roof damage to the Barneveld High School. An impression was left in a gymnasium wall after it was struck by a flying auto. (CT)





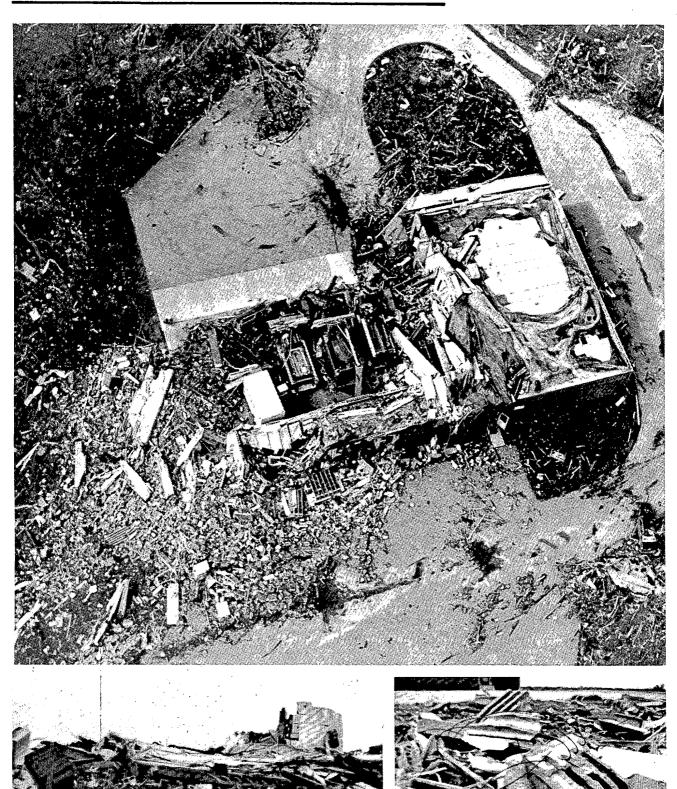
Vehicles that wound up in basements after the homes were torn from their foundations. At least 100 vehicles were destroyed in Barneveld. LEFT: (WSC), RIGHT: (NWS)

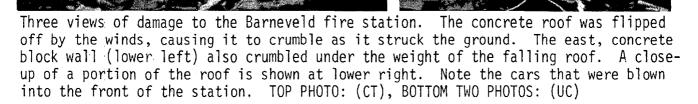


A demolished gas station near the center of town. (NWS)



Remains of the Lutheran Church in northeast Barneveld. A car and truck were found inside. (NWS)





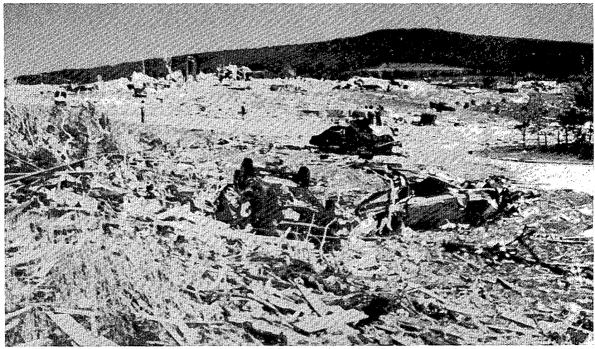
TORNADOES in SOUTHERN WISCONSIN ---- continued



Debris strewn down the side of a hill from a foundation that was cleaned by the tornado. (WSC)



Large sections of this home were left resting in a pile directly behind the foundation. (NWS)

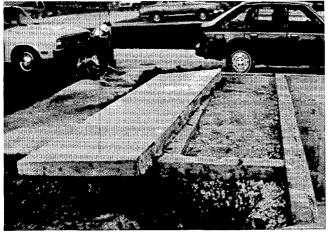


Destroyed autos litter the foreground of this northeast view of the subdivision in northeast Barneveld where 7 of the 9 deaths occurred. The same subdivision is shown below, looking north. ABOVE: (WSC), BELOW: (NWS)





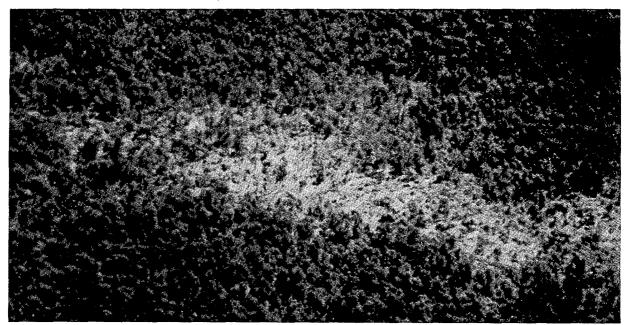
An aerial view of the subdivision which received F5 damage and where 7 deaths occurred. The homes were disintegrated by the tornado and debris was scattered for a considerable The Lutheran Church appears at the left edge of the photo. (CT)



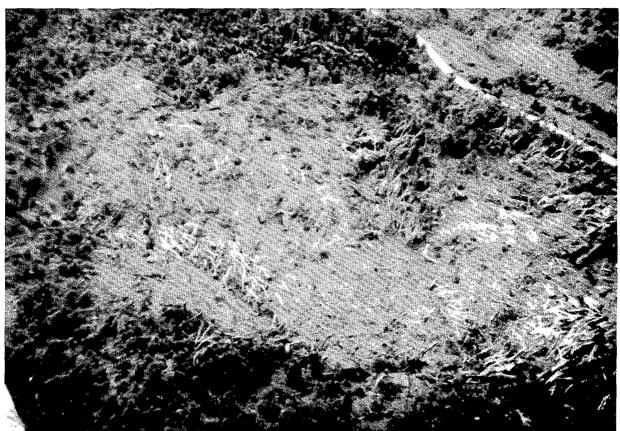
home, that was pushed as the house was ripped free of its foundation. The house site is shown by a white arrow in the top photo. (UC)



A concrete walkway along the front of one The southwest corner of the foundation of the same home described at left. The wall was broken off by the impact of an airborne object. (UC)



Trees on the side of Blue Mound, about 2 miles northeast of Barneveld, that were mowed down by the tornado. The tornado moved from right to left across the photo. ---Photo by Eric Peterson, University of Chicago.

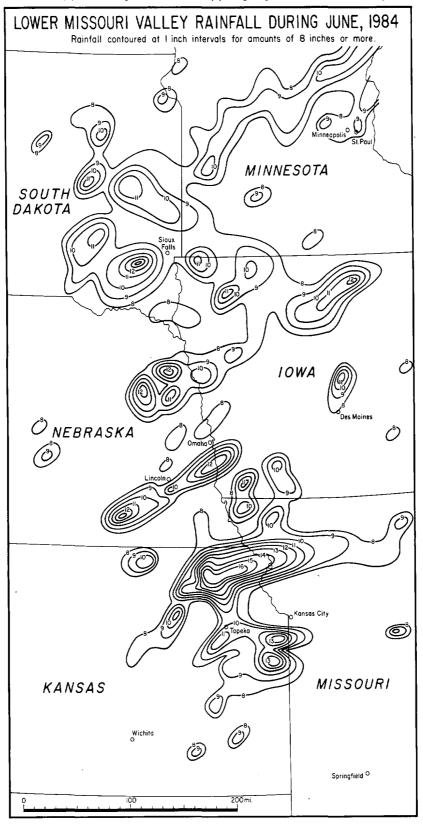


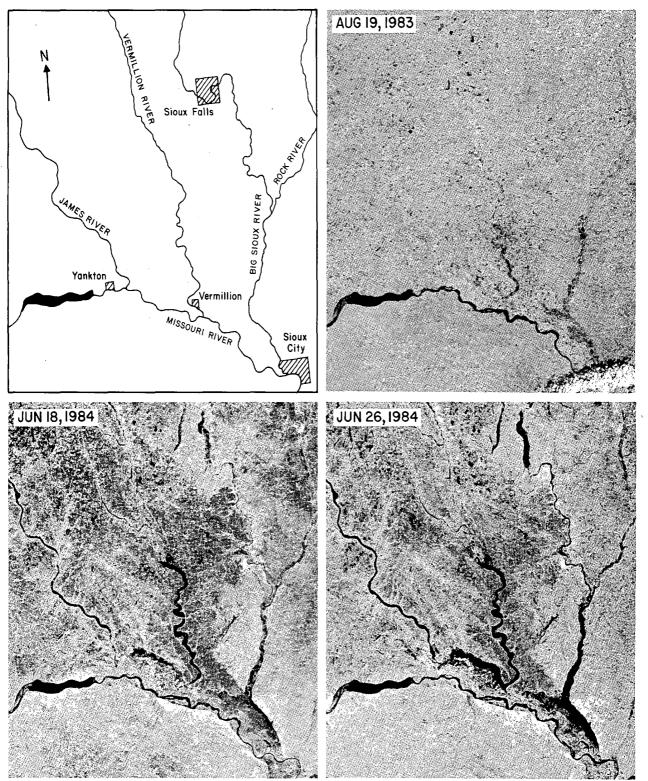
A grove of trees on the side of a hill about 7 miles northeast of Barneveld. Most of the trees, many of them birch, were broken off at ground level, many were uprooted, and some were stripped of their foliage. (UC)

---Credits for damage photos on pages 10 through 17 are as follows:

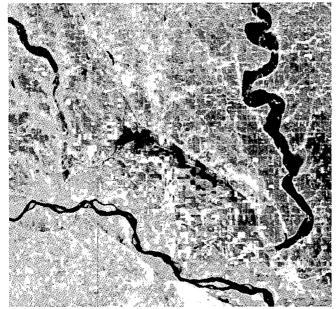
- (CT) Rich Rygh, The Capital Times, Madison, WI
- (NWS) Edwin S. Addison III, NWSO Madison, WI
- (WSC) Douglas Clark, Wisconsin State Climatologist Office, Madison, WI
- (UC) Duane Stiegler, University of Chicago, Chicago, IL

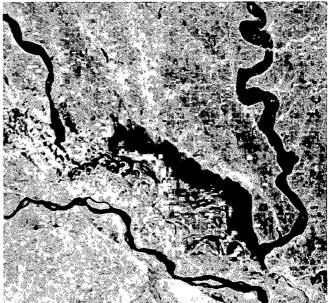
Numerous and frequent thunderstorms dumped copious amounts of rain over the lower Missouri Valley in parts of South Dakota, Minnesota, Nebraska, Iowa, Kansas and Missouri during June, 1984. Many local areas received over a foot of rain, and flash floods were common. The maximum recorded rainfall was 16.84 inches at Horton, Kansas. Accumulating water from the heavy rains pushed most rivers in the region over their banks. The Missouri River crested at nearly 7 feet above flood stage at Atchison, KS on June 16th, and 9 feet above at Leavenworth on the 21st. ---Data from 920 cooperative observers, and supplied by NCDC. Mapping by the University of Chicago.





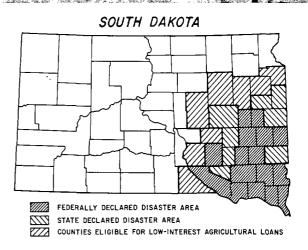
Three NOAA LANDSAT photos demonstrate the effect the heavy rains had on rivers in the extreme southeast corner of South Dakota and neighboring portions of Minnesota, Iowa and Nebraska. As shown in the accompanying map, the James, Vermillion and Big Sioux Rivers flow into the Missouri River in this region. Water areas, such as the Lewis & Clark Reservoir just west of Yankton in the lower left corner of each picture, appear dark on the photos. The top photo was taken in the summer of 1983, when flooding was not prevalent. The bottom left photo was taken as flooding began, and the bottom right photo was taken shortly after the highest flood crests. ---Photos supplied by Kay Meehan, NWSFO Sioux Falls, South Dakota.





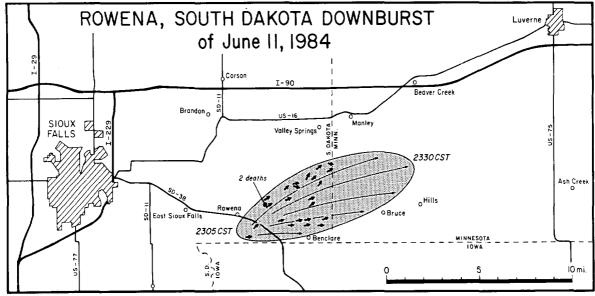
ABOVE: Two enlargements of the area where the James and Vermillion Rivers join the Missouri River as shown in the two photos at the bottom of the previous page. The James River jumped its banks and flowed along an old Missouri River meander into Clay Creek, which empties into the Vermillion River.

RIGHT: Flood disaster areas by county in South Dakota for June, 1984. --- Data supplied by the NWSFO at Sioux Falls, SD.



3. DOWNBURST at ROWENA, SOUTH DAKOTA on June 11, 1984

Shortly before midnight on June 11th, a severe thunderstorm produced downburst winds in a small portion of South Dakota and Minnesota, just north of the Iowa border. The strongest damage was concentrated in a half-mile wide band extending along the northern edge of the damage area mapped below. Two deaths occurred when one home was blown from its foundation. ---Mapped by Montie Horn, Minnehaha County Civil Defense.

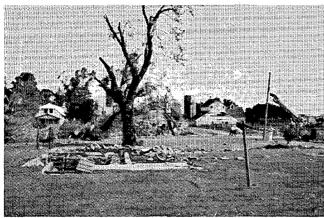




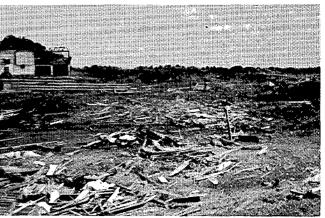
A mobile home blown off its resting blocks about 1.5 miles south-southwest of Rowena.



Debris scattered from a wooden barn located 3.5 miles east-northeast of Rowena.



The foundation of a farm home, viewed looking north, where 2 people died. Debris from the house, located 1.5 miles east-northeast of Rowena, was blown northeastward and ended up beyond the location of the electric company truck on the right edge of the photo.



Debris from the home described at left (looking northeast).



Damage to the rest of the farm where the two people died.



Trees on the farm, all of which were blown down toward the northeast.

---All above photos by Montie Horn, Minnehaha County Civil Defense.

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Grand Bay, Mobile County	An eleven ye victim was r house when 1	ar old b eported	to hav	re bee	led by en play	light ying i		The	² ARIZONA									
Birmingham area, Jefferson County	20 1508CS Trees were r the Woodlawn have struck	T eported area.	downed One fa	0 i by t	0 thunde	3 rstorm was r	eporte	d to	Gilbert-Queen Creek, Maricopa County	Dur: aro	1830MST ing a sev und 60 MP ek and da es, power	ere the H, a he mage to	ouse was	blow er o	nn do	estima wn nea	ted to r Queen	Wind
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JUNE 1984

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ARKAN	SAS	5 COLORADO
Jackson County	14 about 0 0 4 - Wind 1530CST A home was unroofed and several power lines were knocked down in the small community of McFadden, a half mile east of Beedeville.	Western Colorado MAY/JUNE An unusually deep snowpack combined with warmer than normal late spring temperatures to produce flooding in many areas of Colorado in May and early June. Most of the flooding occurred i
Mississippi County	14 1730CST 0 0 3 - Wind Minor wind damage was reported in Black Oak. Trees were blown down and antennas were bent by thunderstorm gusts.	the mountains and in western sections of the state. Mudslides were also a problem, causing extensive property damage in Vail. One slide threatened downtown Aspen, forcing the evacuation of about 500 residents. Damage from the floods and widslides total 16 million dollars to public facilities, including highways; 12
Washington County	14 2145CST 0 0 3 - Lightning Lightning struck a Springdale home, damaging the motor on a fan. No fire resulted.	million dollars to agricultural interests, mostly in Moffat County; and 4 to 5 million dollars in individual losses.
Ouachita County	15 I300CST 0 0 3 - Lightning Lightning started a minor fire at a Stephens residence.	Lincoln County
Jefferson County	15 1400 - 0 0 3 - Wind 1430CST Strong gusts from a thunderstorm uprocted many	Hail 2 inches in diameter fell near Palmer Lake. Arapahoe County 3 1208MST 2 100 0 0 0 Tornado (FI)
Sebastian County	trees and damaged slightly the roof of a home in Pine Bluff. 15 1630CST 0 0 ? - Lightning	A fairly large tornado was sighted by a National Weather Service employee about 20 miles south of Buckley Field in Aurora. FPP112
bepaseian county	Heavy damage was reported to a Fort Smith home from lightning.	Elbert County 3 1210MST 1 50 0 0 0 Tornado (F1) A tornado was sighted 10 miles northeast of Kiowa, moving northeast. FPPIII
Jackson County	19 1434CST 0 0 3 - Lightning Lightning struck and damaged the chimney at a Newport home.	Douglas County 3 1240MST 1 50 0 0 0 0 Tornado (F1) A tornado touched down 1 mile south of Franktown. FPP101
Pulaskí County	20 1215CST 0 0 4 - Wind Thunderstorm gusts knocked down 8 trees and damaged the roofs of the barracks, the auditorium, the recruiting office, and the golf building at	Elbert County 3 1242MST 1 50 0 0 0 Tornado (F1)
Mississippi County	Camp Joseph T. Robinson. 20 1630CST 0 0 4 - Wind	A tornado was sighted 5 miles south of Watkins. FPPlll Douglas County 3 1320MST 1 50 0 0 0 Tornado (fl) Another tornado formed just southwest of Parker. FPPlll
Jackson County	Thunderstorm gusts unroofed a business and blew down some doors in Burdette. 21 about 0 0 4 - Wind	Arapahoe County 3 1409MST 2 50 0 0 0 0 Tornado (F1) The last of a series of twisters spawned by a large thunderstorm
Sackson Country	1425CST Strong thunderstorm gusts blew from Swifton to Tuckerman. Winds were estimated between 45 and 50 MPH. Five residences had some wind damage, two in Tuckerman, and three in Swifton.	complex was observed just southwest of Deer Trail. FPP111 El Paso County 3 1825msT 0 0 4 0 Lightning Two homes were struck by lightning in Colorado Springs, and sustained damage totaling 6500 dollars.
Garland County	23 2230 - 0 0 4 - Wind 2300CST	Morgan County 5 1535MST 0 0 0 0 Hail One inch hail fell 5 miles northwest of Woodrow.
Desha County	Thunderstorm gusts damaged boats and docks at Lake Catherine. One truck was overturned and a barn heavily damaged seven miles southwest of Hot Springs. 28 1445CST 0 0 5 - Wind Thunderstorm gusts struck 5 miles east of Dumas. One mobile home and two tractor sheds were destroyed. One mobile home and another tractor shed were damaged extensively.	Central Mountains 6-7 An unseasonal snowstorm buried much of the Colorado high country under a soggy white blanket. Around a foot of snow fell in Aspen, Vail, Leadville, and Breckenridge, with up to the feet on the higher peaks. The snow reached rather low elevations; Eagle at an altitude of only 6500 feet, received 3 inches. The heavy wet snow overloaded many power lines, causing outages in many cities. In Snowmass, the buildup of snow collapsed two tents an
Desha County	28 1445CST 0 0 4 - Wind A mobile home was overturned by thunderstorm gusts 4 miles east of Dumas. Also a tractor shed was blown down.	a tennis bubble. 8 1427MST 1/4 30 0 0 3 0 Tornado (F1) A brief tornado near Kremmling picked up four rubber rafts and smashed them. FPP101
Desha County	28 about 0 0 4 - Lightning 2315CST A Dumas residence had extensive damage from a fire that was started by lightning.	El Paso County 10 1910MST 2 50 0 0 0 Tornado (Fl) A tornado touched down in a field near Calhan. FPP111 Lincoln County 10 1940MST 0 0 0 0 Heavy rain, Hai
Jefferson County	29 1453CST 0 0 ? - Hail The Jefferson County Sheriff's Office reported	El Paso County 10 2000-2100MST 0 0 4 0 Hail
Cleveland County	hail up to half-dollar size in Pine Bluff. 29 1540CST 0 0 ? - Hail The Sheriff's Office reported hail as large as	Colfball size hail spread across El Paso County from Falcon, jus northeast of Colorado Springs, through Peyton to Calhan. Many cars were dented, mainly near Falcon.
	quarters (1 inch) in Rison.	Weld County 10 2250MST 0 0 4 0 Hail Golfball size hail fell just west of Greeley, causing damage to roofs of some homes.
4 CALIFORNIA	A, Northern NONE REPORTED	Phillips County 11 evening Two thunderstorms each dropped golfball size hail at Holyoke, first at 1855 MST, and again at 2026.
4 CALIFORNI	A, Southern —— NONE REPORTED	Denver Area 12 1300-1530MST 0 0 5 0 Hail Large hail pelted many parts of the southern Denver area. The worst reported damage occurred in Douglas County at Parker, wher 15 aircraft were damaged by golfball size hail. Other reports of severe weather
		1322 MST 3/4 inch hail in Southwest Denver 1437 Golffall size hail in Southwest Denver 1446-1510 Golffall size hail in South and Southeast Denver 1507-1518 3/4 inch to mothball size hail in southeast Aurora (W. Arapahoe Cy.)

Elbert County

Elbert County

12 1625MST 1 75 0 0 0 0 Tornado (F1) A tornado touched down just north of Elizabeth and moved east, accompanied by large hail. FPP112

12 $1720\mbox{MST}$ 1 50 0 0 0 0 0 Tornado (F1) A tornado touched down 5 miles east of the town of Elbert, and moved toward the east. FPP111

																JUNE 1984
	CAL	PATH	NO. 0		ATED ¹				CAL	РАТН	Ę	NO. PER	OF SONS	ESTIMA DAMA		
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF PATH (MILES) WIDTH OF PATH (YARDS)	KILLED	INJURED	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
COLORA	DO						COLORA	DO								
Lincoln County	12 1807MST A tornado wa the ground f and ripped t	s spotted 7 or a minute	miles so or two,	but destr	mon. I oyeda	Tornado (F1) it only stayed on few outbuildings 01	Adams County	St mp		bursts MST in	n Northg	lenn.	erstor A bi	it earl	ed a w ier, w	High winds ind gust of 58 ind gusts
Weld County	A tornado ju a horse trai accompanied	st west of W ler 30 feet, by small hai curred with	indsor t and dam l that w the ston	ore down aged a to iped out a m; 1.9 in	two out ol box. an onio	Tornado (F1) buildings, moved The tornado was n field. Heavy ll in about an	El Paso County	Ha ar \$3	ea for al	and fr most to e. The	vo hours ere were	Lig	ning p ghtnir	ig stru	the C ck thr	Thunderstorm olorado Springs ee homes, causing d one bridge was
Morgan County	13 0840MST The city of tornado flat	Fort Morgan	was blac	ked out fo	or 35 m	Tornado (F1) inutes after a	Arapahoe County	He	afterno avy rainc e spot re	aused s				sement		Heavy rain ng in Littleton.
Denver Area	13 1330-173		1	20 8	?	Heavy rain, Hail er area in terms	Otero County		1707MS gust of 5		was note	0 ed at 1			0	High wind
	of damage ba cities were Lakewood, bu and Aurora.	ttered the r the northwes t large hail Damage occu	egion fo tern sub also fe rred in	r several urbs of A 11 in Gold all of the	hours. rvada, den, So ese are	The hardest hit Wheat Ridge, and utheast Denver, as, but by far the tern suburbs.	Morgan County		1720MS gust of 6		was meas		0 et For		O an.	High wind
i	Homes and of worth of dan	ther building mage. Many t	s sustai housands	ined rough of cars	ly 200 were ba	million dollars attered by giant timated at 100	6 CONNECTIO	UT								
ļ	million doll In s	lars. Some areas, g	olfball	to baseba	ll size		Central & Western -				wa c = J *	0	0 +bo	?		Flooding
	few stones a structures w broken; two inoperable. combined wit	is large as g were severely thirds of Ar Torrential th the hail t	rapefrui damaged vadas po rain-as o clog d	its. Roof 1. Uncoun Dice cars much as 4 Irains and	s on the ted can were n 3/4 in cause	nousands of windshields were rendered nches in Lakewood- widespread damage		fil May cor of	ity years. sent all ntinued in	. Six I river ito the but fl	to nine s well p first p ood con	inche past f week o trol p	s of lood f Jun rojec	rain du stage,a e. Dar ts, es;	ring and the mage was pecial	its in thirty to the last week of e flooding as in the millions ly along the
	feet deep. Abou couple were	ıt 20 people	were inj . A wom	jured by t	he qiar	nto drifts several nt hailstones; a she was trapped	Southwestern Connecticut	Se Fa	irfield Co	derstor	ms knoc Numero	us tre	es an	d tree	4,000 11mbs	Thunderstorm Winds customers in were felled in ng tree crushed
1225						Y 13TIMES MST		an	auto in t the West;	Bridgep	ort. T	rees w	ere a	iso re	orted	down at Wilton,
1335 1410 1419 1420	1 1/2 inch h 3/4 inch hai Golfball siz	il 2 miles ea se hail in Ar	n (N. Je st of Li	fferson) ittleton (W. Arap	* '	Statewide		Late A			0	0	4	0	Lightning and Thunderstorm Winds
1422-1425 1428 1433-1444 1438 1459 1503-1511	Golfball to 1 inch hail 1 1/2 inch h Golfball siz	in Arvada se hail in Li baseball siz 2 miles east mail in Thorn se hail in We se hail in ex	e hail i of Litt ton (W. stminste	n Arvada leton Adams) er (W. Ada	ກs)			the to	e state. wn of Man	Up to chester e demol	15,000 ', one o	electr f the	ic cu harde	stomer st hit	s lost by th	locations across power. In the e storms, a huge bs blocked roads
1541-1555 1541 1554		lfball size :} .just west of	hail in Golden	south and	centra	ll Aurora	7 DELAWARE				— NONE	REPOR	RTED			
1556-1559 1557-1604 1606 1608	Golfball siz Golfball siz 2 inch hail Golfball siz	e hail in No e hail in ea at Golden e hail at Gr	rthwest st Auror een Moun	Denver a itain (N.	Jeffers	son)	8 FLORIDA									
1615 1634 1634-1639	Golfball siz	te hail in La te hail in We inch hail in	stminste	r	son)		Tampa(16 SSE)		1715ES1	ſι	30	0	0	4	-	Tornado(FO)
1728	1 inch hail 13 1500-16	_				on) Heavy rain, hail	Hillsborough County	Se	even roofs nd trees v	were were do	damaged wned.	, seve	ral t	ool she	eds we	re destroyed,
Pueblo, Fremont Cys.	Ping pong b About an ho	all size hai	l fell i thunde	n Canon C rstorm du	ity aro mped .9	und 1600 MST. 2 inch of rain in	Dunnellion, Citrus County	11	1730ES1	Г		0	0	3	-	Thunderstorm wind
Weld County		T Greeley suff		0 3 00 in dama		Lightning n struck by		do	wned.		trai ler	was d	estro	yed and	i seve	ral trees were
Elbert County	lightning. 15 1400MS Altornado w	T 1 5 as sighted 1		0 0 west of L		Tornado (F1) PP111	Hernando, Citrus County	12	1600EST	Г		0	0	3	-	Thunderstorm wind
Arapahoe County	Aurora betw	ze hail fell een 1530 and	in the 1600 MS	T. One s;	and cen pot in	Heavy rain, hail tral part of central Aurora	Santa Rosa County Airport.		tool shed 1908ESI		estroye	d and O	sever 0	al tree		thunderstorm
	received 2. street floo	06 inches of	rain in	just ove	r an ho	ur, causing local	Santa Rosa County	А	wind of 7	75MPH w	as reco	rded.				
Morgan County	two inches	il was repor	ted in F in the	city, cau	n at 16 sing lo	Heavy rain, hail 49 MST. Up to cal street flooding	Fernandina Beach, Nassau County		1400ES		ware Li	0	0 f the	2		Thunderstorm wind
Douglas County	16 1310MS		0	0 0	0	Tornado (F1)	Orange Park,		o beach h 1855ES		weie Di(ir pili 0	•	Lightning
Weld County	17 1440-14 MST	50 1 50	0	0 0	0	Tornado (F1)	Duval County	wh	en lightn	ing st		ring b	aseba	ll prac	tice.	s were burned
	of dust fro	m the ground	to the	base of t	he clou		Orange Park, Duval County	21	1900ES	ī		0	0	3	-	Thunderstorm wind
Jefferson County			struck a			Lightning ildren standing		A	carport w	as dam	aged whe	en a la	arge (oak tre	e was	blown down.

PLACE	TIME - LOCAL STANDARD LENGTH OF PATH (WILED DAWACE NUTH OF PATH (YARDS) WIDTH OF PATH (YARDS) CROPS CR	PLACE	TIME - LOCAL STANDARD LENGTH OF PATH WIDTH OF PATH WIDTH OF PATH OCROPS CROPS
FLORIDA		IDAHO	
Live Gak, Suwannee County	21 1900EST 0 0 3 - Thunderstorm wind	Near Burley	24 1720MST 4 3 Thunderstorm, wind
Miami, Dade County	Farm buildings were damaged and trees were downed. 22 2100EST 0 Lightning A man standing under a tree was killed when lightning struck the tree.		Wind gusts of 75 mph were recorded at the Burley airport where half of the roof of one hangar was tom up quite badly. A large barn near Paul, Minidoka County, was destroyed and several trees downed.
Ft. Pierce, St. Lucie County	26 1338EST 0 0 2 - Thunderstorm wind	11 ILLINOIS	
Tavares,	Several awnings were destroyed. 26 1700EST 0.5 10 0 0 5 - Tornado(F0)	20 W Rockford Stephenson county	13 220 CST Rail A severe thunderstorm dropped golf-ball size hail about 20 miles west of Rockford in Stephenson county at 320am CDT.
Deland, Volusia County	Several roofs were damaged and a tool shed was destroyed, 27 1700EST 2.0 50 0 6 - Tornado(F1) Twenty airplanes were damaged, the airport hanger roof was destroyed and a nearby dairy lost its roof.	Romeoville- Will county	13 1322 CST 1 3/4 80 0 0 5 0 Tornado (F1) The first of two small tornadoes touched down in Romeoville, Will county, at 222pm CDT. The tornado produced an intermittent damage path 80 yards wide and 1 3/4 miles in length as it moved from west to east. Damage occured mainly to roofs and walls of about 15 single-family homes on Murphy Drive and Haller Street in the southern part of the village.
9 GEORGIA		Romeoville, Will county	13 1322 CST .3/4 100 0 0 5 0 Tornado (FO) A second tornado was reported in Romeoville at about 222pm CDT. Damage was confined to the roofs and walls of about 20 homes in the Homey Tree subdivision on Abbey Wood Drive. The tornado moved from west to east for about 3/4 mile and had a path of
Montgomery County	21 1540EST 0 0 3 0 Wind Thunderstorm winds downed several trees and power lines in the southern part of the county. The winds uprooted a few trees in Mount Vernon.	Carmi White county	about 100 yards. 18 1720 CST Wind At 620 pm CDT, strong thunderstorm winds downed some trees and power lines at Carmi.
Houston County	21 1545EST 0 0 3 0 Wind Thunderstorm winds overturned a mobile home in the Piney Grove Community about 5 miles south of Warner Robins. A tree was blown onto a carport in the Kathleen Community; a tree was uprooted and blown onto a house in the same area.	nr Caledonia, Boone county	22 1230 CST 0.6 200 0 0 4 0 Tornado (FI) A tornado touched down at approximately 130 pm CDT in the area l mile west of SR 76 and 3 miles north of Caledonia. Minor damage occurred as the tornado moved east-southeast through Livingston Cemetery and onto a private residence. Power lines and trees in the path of the storm were heavily damaged.
Emanuel County	21 1630EST 0 0 2 0 Wind Thunderstorm winds downed a few trees 5 miles northeast of Swainshoro.	McHenry, Kane, DuPage, Will, and Kankakee counties	22 afternoon 0 0 5 5 Hail, Wind Severe thunderstorms with large hail, heavy rain, and some damaging winds move southeast across Moderny, Kane, DuPage, Will,
Chattooga County	21 1830EST 0 0 4 0 Wind Thunderstorm winds downed a few trees in Summerville. One large pine tree fell across two parked automobiles and a garage.		and Kankakee counties during the afterncon hours. Between 200pm CDT and 230pm CDT golf-ball size hail fell in Marengo, Howard and Union in McHenry county. By 250pm CDT the storm was dropping golf-balls size hail near Burlington in Kane county while 1 inch hail was reported at Elgin. Damage was severe to plants and
Stephens County	24 1800EST 0 1 0 0 Lightning One person was injured by a lightning strike.		automobiles; some minor damage to roofs was noted. At 345m CDT golf-ball size hail and winds to 60 mph were occurring at St. Charles, Kane County. The hail was up to 12 inches deep. Only minutes later (355pm CDT) 3/4 inch hail fell at DuPage County Airport along with gusts to 52 miles an hour. The severe thunderstorms continued southeast bringing golf-ball to baseball size hail to Naperville, DuPage county, at 415pm CDT. Golf-ball
10 IDAHO Maxysville, Warm River, Fremont County	13 1800- 1900MST 0 0 5 5 Thunderstorm, wind, hail A severe thunderstorm with golf ball sized hail and winds of 70 mph traveled the east bench from Rexburg up to Ashton.		to baseball size hail also occurred at Plainfield (430gm CDT), Romeoville (437gm CDT) and Bollingrook (438gm CDT). In Naperville over 1800 new cars were hammered by the hail. Reports of Gented siding, heavy rain, and high winds were common. About 25,000 acres of Kankakee county crops were heavily damaged or destroyed by large hail, strong wind, and rain as the storms continued southeast. The heaviest crop damage occurred north of Bourtonnair from about 2½ miles west of US45, east to as far as St. George and north to the county line.
	The area from Marysville to Warm River was the hardest hit. Sixty percent of the crops in this area was reported to have been damaged by hail. One ranch reported \$65,000 damage to structures due to strong winds and a grain elevator was blown down. A severe thunderstorm warming was issued at least one half hour before this storm hit the area.	Livingston, Ford, and Iroquois counties	22 1700 CST- 2000 CST Severe thunderstorms with golf-ball to baseball size hail moved across southeast Livingston, Ford and Iroquois counties during the early evening. At 610pm CDT golf-ball size hail was reported at Strawn in southeast Livingston county. 1 3/4 inch hail was noted at Gibson City at 645pm CDT. Hail up to golf ball size fell in the Clifton and Ashburm areas of Troquois county and just
Twin Falls, County	14 1700MST 4 4 Hail Hail the size of golf balls pounded Hollister, Twin Falls Conry. Several auto windshields were shartered and many cars were left with dented hoods and roofs. Crop damage was kept low because grain and hay were still in the early stages of growth. A severe thinderstorm warning had been	Hoopeston, Vermilion county	west of Watseka about 815pm CDT. 22 1855 CST 1 300 0 0 5 Tornado (F1) A tornado touched down on the northeast side of Boopeston at 755pm CDT. The tornado felled a grain elevator, demolished four house trailers, downed power lines and flattened several garages
Grangeville	issued for the area approximately & hour before the occurrence. 20 1330MST 3 3 Hail	Petersburg, Menard county	along its approximately 1 mile path. No one was injured. 23 0010 CST Wind A severe thunderstorm produced 50 to 60 mile an hour winds just each of Petershym Minor tree damage was noted.
	Hail 3/4 of an inch to one inch in diameter fell in the Grangeville area, This was followed by .93 of an inch of rain in about 15 minutes, No significant damage was reported.	Cook, DuPage, and Lake counties	east of Petersburg. Minor tree damage was noted. 23 1400- Wind, hail 2000 CST Course the days round agrees out you parthaugt Illinois
Canyon, Gem Counties	20 1500- 1530MST 3 6 Hail, wind Two thunderstorms battered en area four miles wide and 20 miles long. The damage started near Notus, Canyon County and extended northeastward into southwestern Gem County. Hail up to the size of golf balls damaged many acres of crops.		Severe thunderstorms moved across extreme northeast Illinois during the evening. Large hail and strong winds accompanied the storms. At 810µm CDT gusts to 70 miles an hour were reported at Lincolnshire. At the same time strong winds at Rolling Meadows caused minor tree and roof damage. One inch hail fell at Wooddale at 827µm CDT. Very strong winds tore portions of the roof from several factories in Streamwood at 830µm CDT. Small hail (1/4 to 1/2 inch) was reported at numerous locations in the three counties.

	NO. OF ESTIMATED PERSONS DAMAGE		NO. OF ESTIMATED! DAMAGE
PLACE	TIME - LOCAL STANDARD LENGTH OF PATH (WILE OF PATH (WILL	PLACE	TIME - LOCAL STANDARD LENGTH OF PATH (NARDS) WIDTH OF PATH (YARDS) CROPS
ILLINOIS		INDIAN	Α
Lebannon,	23 1945 CST Wind	La Porte,	22 1200EST 0 0 4 0 Lightning
St. Clair county	A severe thunderstorm at Lebannon at 845pm CDT caused minor tree damage.	La Porte County	Lightning started a fire which destroyed a warehouse full of fireworks.
Randolph, Perry, Franklin and	26 1500- Wind 1800 CST	Terre Haute,	22 1500EST
Jackson counties	Severe thunderstorms moved across the southwest portion of the state during the late afternoon hours. At 405pm CDT several trees	Vigo County	Golf ball size hail was reported on the north side of the city.
	were uprooted in a narrow path 2 miles south of Gorham. Trees were also downed is mile south of Sparta at 510pm CDT in gusts in	3S Riley,	22 1510EST 0 0 3 0 Thunderstorm,
	excess of 60 mph. At 530pm CDT winds gusted to 60 mph in south- west Perry county near Cutler. Two old trailers in a trailer	Vigo County	Winds Strong thunderstorm winds uprooted trees, some of which fell
	court & mile west of West Frankfort were damaged at 640pm CDT.		across state road 159, closing the road between the towns of Riley and Blackhawk for a time.
Jo Davies and Carroll counties	26 2000- Wind 2100 CST	Coalmont,	22 1630EST
	Thunderstorms winds caused scattered minor damage through the two counties. At 1135pm CDT minor tree and roof damage occurred	Clay County	Winds Strong thunderstorm winds uprooted several trees.
	at Stockton. Minor damage was also reported from strong winds at 7155pm CDT at Savanna, Thompson, and Mt. Carroll.	Vicksburg,	22 1630EST
		Sullivan County	Winds 60 to 70 mile an hour winds were reported.
		Jasonville,	22 1640EST
12 INDIANA		Greene County	Winds Strong thunderstorm winds uprooted large trees.
IN Logansport,	12	North Salem.	22 1806EST
Cass County	A tornado briefly touched down in a field, causing some damage	Hendricks County	One residence was damaged by lightning.
	to the crop.	1SW Kentland.	22 1900EST
SW Winamac, Pulaski County	13 1615EST Short 6.7 0 0 0 0 Tornado (F0)	Newton County	Golf ball size hail was reported.
, , , , , , , , , , , , , , , , , , , ,	A tornado briefly touched down but caused no damage.	Northwest	22 2000EST
Northern Cass County	13 1640EST 0 0 2 0 Thunderstorm,	Warren County	Hail 3/4 of an inch in diameter was reported.
	Strong thunderstorm winds uprooted trees and downed powerlines. The damage was scattered throughout the northern part of Cass	Redkey,	23 1020EST
	County.	Jay County	Winds A house trailer was damaged and four others were knocked off thei
Wabash County	13 1715EST 0 0 2 0 Thunderstorm, Winds Numerous tree limbs were downed and several trees were uprooted.		foundations by strong thunderstorm winds estimated at 70 mph. One person received minor injuries. Numerous powerlines were down in a one square mile area.
Western Huntington	13 1720EST 0 0 0 0 Thunderstorm,	Anderson,	24 0030EST 0 0 3 0 Lightning
County	60 mile an hour winds were reported.	Madison County	One home was struck by lightning. The small fire that resulted
Eastern Huntington County	13 1725EST 0 0 2 0 Thunderstorm, Winds		was quickly brought under control.
Wells County	Numerous tree limbs, trees and powerlines were reported down. 13 1730EST 0 0 0 Thunderstorm.	13 IOWA	
wells county	Winds Several trees were reported uprooted by strong thunderstorm winds.		
Dunkirk, Jay County		Emmet County	04 1430 CST 0 0 3 0 Thunderstorm and Winds
bankirk, out odding	60 mile an hour winds were reported.		Winds in a thunderstorm reached up to 58 MPH at the Estherville Airport - but only minor damage occurred in the vicinity.
Geneva, Adams County	·	Humboldt County	04 1630 CST 0 0 0 0 Funnel Cloud A funnel cloud was spotted by the County Sheriff's Deputy but the
	Winds Strong thunderstorm winds uprooted trees and downed powerlines.		was no touchdown and no damage.
Bryant, Jay County	13 1820EST 0 0 2 0 Thunderstorm,	Statewide	07 Afternoon- 1 2 6 5 Thunderstorm with Evening Winds and Flash
	Winds Strong thunderstorm winds uprooted several trees.		Strong thunderstorms moved into Iowa and wrought havoc from one e
			of the State to the other. Most of the stronger cells produced t nadoes that are detailed below (21 in all - a record number for a
Greensburg, Decatur County	16 1930EST 0 0 4 0 Thunderstorm, Winds		day in Iowa), but severe thunderstorms occurred in numbers that count be counted. Strong winds were the culprit, along with large
	Strong thunderstorm winds caused structural damage to several buildings in the City of Greensburg. One barn lost its roof and about 8,000 customers were without power. The thunderstorm also dumped almost three inches of rain in the area.		hail. Flash Floods were also prevalent, with rainfall totals of to 6 inches common. Mostly this just caused some water to flow o roads, but the collapse of some roadbeds and bridges brought ex- pense to local governments that might preferably have been deferr
Greensburg, Decatur County	16 1945EST 0 0 4 3 Thunderstorm,		The death in a severe thunderstorm occurred at approximately 2000 CST in Ringgold County. A tree fell onto a car in Mt. Ayr, killi the driver and injuring the two passengers.
	Strong thunderstorm winds caused structural damage to several	Woodbury and Plymouth	07 1445 CST- 7 100 0 0 5 0 Tornado (F1)
	homes and farms in the northwest part of Greensburg as well as a blackout throughout most of the city due to downed power lines.	Counties	1503 CST A tornado touched down outside of Moville and moved Northeast (th
3SW Kirksville,	1,8 1533EST 0 0 4 0 Lightning		general direction of all Tornado movements that day). It hit at least 4 farmsteads, doing major damage to three barns and other
Monroe County	Lightning set a barn on fire, destroying it and its contents.	Cherokee County	outbuildings and minor damage to the homes. 07 1514 CST- 10 75 0 0 6 0 Tornado (F2)
Cynthiana,	18 1645EST 0 0 2 0 Thunderstorm,		1533 CST This vortex was directly downwind of the previous tornado and 11k
Posey County	Winds Thunderstorm winds estimated at 65 miles an hour downed trees and powerlines.		derived from the same cell. Again farms were the target - 15 wer hit - and outbuildings suffered most of the damage. Many trees were also uprooted.
Cassopolis,	20 1900EST	Ida County	07 1542 CST- 16 150 0 1 6 0 Tornado (F2)
Cass County	Lightning started a fire in a body shop causing about \$6,000 damage.		1610 CST A tornado plowed through Northern Ida County, brushed by Holstein and dissipated northeast of cown. Again a great deal of damage was found on homesteads, but the most notable was in Holstein. A grain elevator was damaged and roofs were lost from a couple of homes. Roads were blocked by trees and power lines that were down

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	SE	PATH	Ę	NO. O		TIMATED DAMAGE	'	11		1	CAL	PATH	E	NO. PERS		ESTIMA DAM		
PLACE	92	P (S)	4 S	\Box	1	_	CHARACTER OF	PLACE			38	ES)	F P A			-		CHARACTER OF
	DATE TIME - LOCAL STANDARD	LENGTH OF	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	STORM		ļ _w		TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	Š	STORM
	DATE	É	₽	E I	₹	CROPS		li .	DATE		ST	Ę	Ø.¥	E	ž	P. C.	CROPS	
IOWA				·			•	II — IOWA	<u> </u>									
IOVA								IOWA										
Cass County	07 1543 CST- 1727 CST	23	150	0 !	8	6 0	Tornado (F2)	Kossuth and Winnebago Counties	07		29 CST- 07 CST	21	150	0	1	6	0	Tornado (F2)
							and leaving a trail s were hit by the											ed into town and back into the
	storm, and a f	ertili:	zer pla	nt was o	destro	yed. Th	e storm tracked from ast of Anita. A		clo	oud f	or a f	ew mil	es, tou	ched d	lown a	again i	la Nor	th Central Winne- he Minnesota border
•	great deal of by a falling t	farm e ree. l	quipmen Damage v	t was da was est:	amaged imated	and a pat \$1.6	ickup was squashed million.		Som	ne in	portan	t dama	ge in T	itonka	inc	luded 1	he sc	hool, which saw a 11 floors; a home
O'Brien County	07 1604 CST-		75				Tornado (F1)		was	f1a	ttened	by th	e storm	, anot	her l	house 1	lost t	he roof, and papers ota. Still another
	1615 CST About 7 farms	saw dan	mage fr	om this	torna	do. Hog	houses, milk sheds				s punc ie of t			o-by-i	our,	which	was d	riven 3 feet into
	trees were des	teed	and a	re all barn tha	ilying at was	almost	whirlwinds. Many 100 years old was	Hancock and Winnebago	07		5 CST- 18 CST	18	125	0	0	6	0	Tornado (F2)
Buena Vista County	flattened. 07 1612 CST-	4	100	0	3	6 0	Tornado (F2)	Counties	The	e tor	rnado f	ormed	southwe	st of	town	and as	it w	ent through Crystal
,	1620 CST Extensive dama	ge occ	urred a	t a few	farms	near St	orm Lake. Most of		sec	ction	of th	e scho	ol came	off,	and	there v	vas da	hool. A large mage to the steel 00 bushels of grain
	the outbuildin damage. One h	gs were	e destr d struc	oyed and tural da	id the lamage,	homes su and two	ffered extensive by fours were driver		was	des	stroyed	, as w	as a st	ee1 "1	leg"	that is	s used	to move the grain. use adjacent to the
	into the side was embedded i	of the	house.	In and	other,	glass f	rom broken windows		sch	1001	. Sign	ifican	t damag	e was	inf1	icted o	on far	ms around Crystal ty. Barns, shel-
Page, Taylor and Adams		25	100	0 :	3	6 0	Tornado (F3)		ter	rs. s	storage	build.	ings. g	arages	. as	well a	as tre	es and vehicles, also damaged near
Counties	'1706 CST A tornado fir	st tou	ched do	wn on th	he nor	th side	of Clarinda, contin- t Corning. Twenty-	1	Cry	ysta:	l Lake	and al	so Fore	st Ci	ty.			
	Ifive homes in	Clarin	da were	damage	ed. inc	luding s	everal that lost e County were dam-	South Central, South- east and East Central	1	20:	55 CST- 58 CST		250		63	7		Tornado (F4)
	aged, another	half-d	ozen in	Taylor	and 6	more in	Adams County. One Icant damage was	Iowa	of	a11	the to	rnadoe	s to st	rike :	in Io	wa tha	t day.	ost destructive The storm carried
	caused to home	s and	not jus	t outbu	iilding	s on the	se farms. One home		It	pro	ceeded	in a n	ortheas	t dire	ectio	n into	Wayne	near a State Park. , Lucas, Monroe,
	walls were dow	n. An	other f	armer l	lost tw	o horses	, a goat and a mule.		ove	er a	lmost t	he ent	ire pat	h but	did	its wo	rst in	s very destructive Wright, in Mahaska
Clay County	07 1630 CST- 1632 CST						Tornado (F2)	,	def	fine	the to	wm - t	he Comm	unity	Cent	er,	the	ings that might old Bank, the
	including 2 th	at los	t a roo	touched f. Tre	i down es and	in Spend power l	er, damaging 5 homes ines were also		rui	urch ined	were l	evelle e rema	d by thi	e tori ouses	suff	ered s	homes ignifi	were completely cant damage. The
Clay County	felled by this			0	0	5 () Tornado (F1)											tion - not just he whirlwind. One
	A tornado touc	hed do	wn in t	he vici	inity o	f Everly) Tornado (F1) , damaging several homes received dam-		duce	ed to	piles	of ru	bble.	In Del	ta,	the des	truct	Others were re- ion reached its
	age to the roo	fs, wi	ndows a	nd exte	erior s	urfaces.	House received dam											hop, the grocery ificant to complete
Pocahontas and Palo Alto Counties	07 1617 CST- 1657 CST	25	100	0 2	2	6 0	Tornado (F2)		\$3.4	mil	lion,	in Keo	kuk Cou	nty, i	t was	з \$25 п	dllio	County was set at n. This included
inter countries	This tornado t						into Palo Alto dman. In Laurens		bui.1	lding	gs leve	lled,	many mo	re dam	aged	; and a	11 ki	O farm service nds of destruction
	the roof came	iffαι	warehou	se of a	feed	company.	A mobile home was a familiar story -		coup	ole d	iriving	in th	eir car	. The	auto	was t	hrown	aths occurred to a more than 300 yards
	all the exteri	or buil	ldings v	were des	stroye	d, and v	arying levels of meant broken windows] [nado	арр	arentl	y spli	t near	South	e li: Engl:	ish, th	e mai	the car. The tor-
	porches smashe	d, par	ts of tl	he roof	and o	ther ext	eriors taken, glass urniture. Livestock		life	e, th	is did	not p		the vo		from 1	liftin	near the end of its g a house complete-
	also fell vict	im to	the sto	rm, add:	ing to	the los	s of rural residents iption of events by		were	e ear	ly in	their	growth,	debri	s fr	om this	torn	hough most crops ado caused signifi-
		it appo	ears as	if the	torna		t times multiple	Lucas County	07	185	4 CST	.5	50	0	0	4	0	ngth was 127 miles) Tornado (F1)
Ida County	07 1610 CST- 1633 CST					6 0	Tornado (F2)		L			·	d by a his vor					en Chariton and e tree top level
	A tornado stru						, having struck some far beyond town. A	Ringgold County	i		ome dam i5 CST-		fore 11 150			up. 6	0	Tornado (F2)
	couple of larg	e grain	n bins v	were hur	rled a	cross th	e highway. One set- e other bin flattened	1]	201	1 CST							rred at Kellerton,
		o car	s. Dama	age was	susta	ined to	the roof and the		wher	e a	mobile	home	residen	t was	appai	rently	getti	ng out to seek mobile home was
Pocahontas County	07 1700 CST-		100				Tornado (F2)		deva	stat	ted - a	pile	of meta	1 shar	ds at	nd timb	er re	mained. The storm ed toward Kellerton
	1715 CST A tornado caus	ed majo	or dama;	ge to th	hree f	arms nea	r Havelock, Every		stri	iking	y weste	rn and	northe	rn sec	tion	s of to	wn, a	nd dissipating had major damage,
	was extensivel	y damag	ged, Or	ne home	had to	orn roof	was destroyed or s, sloping floors		as d	did t		y Park	. Phon					e knocked out due
	and cattle sur	vived.	z. ADOI	ut 24 р1	⊤Rs we:	re Kille	d, but the chickens	Keokuk, Washington an	1	7 203	33 CST- 13 CST		200	0	1	6	0	Tornado (F2)
Humboldt, Kossuth and Hancock Counties	07 1715 CST- 1754 CST		150				Tornado (F2)	Johnson Counties	This	tor	nado s	plit o	ff from	the p	ower!	ful Wri	ght-D	elta tornado and on and Johnson
	The property d	amage,	due to	the sto	orm, w	as estab	across 3 Counties. lished at \$800,000		Coun	nties	. Dam	age to	trees,	house	s, b	uilding	s and	vehicles was ex- eas. One home
	in Humboldt Co grain bins and	inty al	lone. S zquipme:	Storage nt - all	build: 1 this	ings, tr	ailers, vehicles, e sustained damage.		comp	plete	ely los	t the	roof, t	imber v	as d	riven :	into t	he sides and all n Church near Kin-
Kossuth County	Livestock form 07 1715 CST-		t of the 150			7 0	Ternado (F3)						ndows a					
	1730 CST				-		Northern Iowa. The	Wayne County			3 CST tornad			0 's Caf		4 the ju		Tornado (F1) n of Highways 2 and
	Presbyterian C	hurch l	had majo	or damaş	ge to	the roof	and serious struct- on one side on the		65,	abou	t 2 ho	urs af	ter the	first	, whi	lch wen	t on	to strikeWright to the devastation
	second story,	and var	rious c	racks at	nd pee	ls on th	e roof may make it yed - including the		the	firs	t torn	ado br		but so	one of	f the t	hings	still standing
	Mayor's. The	re was	substar	ntial da	amage	to 25 ho	mes - including one o also inflicted	Adair County	11	182	3 CST	Short	Narrow	0	0	4	0	Tornado (FO)
		e outs:	ide of i	town, ir	ncludi	ng felli	ng half of a grove		tree	s an	d powe	r line:	s indic	ated a	brie	ef touc	hdown	
	1				•			Polk County					Narrow wn in W		0 s Mot	3 ines ar		Tornado (FO) sed tree top damage.
								Polk County	11	192	8 CST	Short	Narrow	0	0	0	0	Tornado (FO) t and was spotted
									by t	he W	ISFO Ob	server	s. No evelope	damage	was	report	ed -	apparently the
								L	Paper	. was	away	LLOW U	- verope	- arca	a 01	-112 UI		

			JUNE 1980
PLACE	NO. OF ESTIMATED TARRE - LOCAL STANDARD CHEST OF PATH (WILLES) CHARACTER OF ATH (TARBO) STORM ST	PLACE	TIME - LOCAL STANDARD CROPS CROPS WIDTH OF PATH WILLED WILLED WILLED WILLED WILLED WILLED WILLED CROPS CROPS CROPS CROPS WILLED CROPS WILLE CROPS WILL CROPS
IOWA		IOWA	9 HW 7 % % 2 F 0
Polk County	11 1955 CST Short Narrow 0 0 3 0 Tornado (FO) A tornado was spotted just east of the old power plant in Des Moines	Woodbury County	17 1625 CST Short Narrow 0 0 0 0 Tornado (FO) A tornado touched down briefly 2 miles north of Branson. No damage
Lyon County	at the junction of the river and Highway 46. 11 2330 CST 0 0 4 0 Thunderstorm and	Woodbury County	was reported. 17 1627 CST Short Narrow 0 0 0 Tornado (FO) A tornado was sighted north of Moville. No damage noted.
	Strong winds in a thunderstorm blew over 3 campers, knocked down a couple of barns and destroyed a machine shed.	Cherokee County	17 1629 CST Short Narrow 0 0 0 0 Tornado (FO) A tornado was spotted by a citizen 8 miles south of Cleghorn. No
Polk County	12 1800 CST 0 1 0 Uightning A service station attendant was struck while pumping gas at a station on the north side. The man suffered no burns but was	Woodhury County	damage was noted. 17 1638 CST
Mills County	stunned and was taken to the hospital. 12 1950 CST 0 0 0 0 Funnel Cloud Funnel clouds were reported south of Glenwood.		Wind and Hall A man, his wife, and two children were injured when a tree fell in the wind in front of a moving automobile. At least 3 were hospit- alized, and one of the children was in intensive care as a result.
Polk County	12 1950 CST 0 0 0 0 Funnel Cloud A funnel cloud was sighted 3 miles west of Elkhart		This occurred near Salix, and at approximately the same time as half-inch hail was falling in the vicinity.
Story County	12 1955 CST Short Narrow 0 0 0 0 Tornado (FO) A spotter observed a tornado near Maxwell. The touchdown was brief and no damage was reported.	Benton County	17 1647 CST
Central Iowa	12- Evening- 0 0 5 4 Flash Floods 13 Morning Heavy rains - 2 inches or more - fell over Central Iowa. Flash	Linn County	A funnel cloud was reported to be north of Cedar Rapids. 17 1740 CST 0 0 0 0 Funnel Cloud
	Heavy Fains - 2 inches of manie - Leis Over Centar load. Thesh flooding occurred along Squaw Creek, Lizard Creek and the Boone River. The worst flooding was in the city of Ames around Iowa State.	Harrison and Monona	A funnel was sighted over Hiawatha. 17 1750 CST- 0 0 5 0 Thunderstorm and 1820 CST Winds
Mills, Shelby, Potta- wattamie and Harrison	14 1745 CST- 0 0 6 6 Flash Flood	Counties	Strong winds in thunderstorms uprooted trees, destroyed some bins and sheds and damaged fences at area farms.
Counties	Pockets of heavy rain resulted in areas of lowland and urban flood- ing. Six and one-half inches of rain in the Harlan-Kirkman area forced 10 families to be evacuated from high waters. A number of bridges were washed out and heavy soil erosion occurred. Streets	Harrison County	17 1814 CST 7.5 30 0 0 4 3 Tornado (F1) A tornado touched down at intervale 2 1/2 miles north of Tekamah, Nebraska, east to Pisgah, Iowa. A school building was damaged near Pisgah; otherwise, scattered damage to trees, utility lines and fences. (Border crosser - total path length was 15 miles)
	were reported flooded in Council Bluffs. At times Mosquito and Indian Creeks and portions of the Nishnabotna River were out of banks.	Iowa County	17 1825 CST- 20 40 0 0 5 0 Tornado (F1) 1830 CST This storm destroyed two barns and grain bins, and extensively dam-
Western and Central Iowa	14 Evening 0 0 4 4 Flash Floods Thunderstorms with heavy rain caused streams in much of already saturated lows to rise. The most notable case was in Madison County where debris in a stream helped to knock out an old bridge.	Harrison County	aged the roof and windows of a house. 17 1843 CST 1/8 . 10 0 0 3 3 Tornado (FO) A tornado touched down briefly in a field 12 miles southeast of
Dallas County	14 1810 CST 0 0 0 Funnel Clouds A couple of funnel clouds were sighted near Adel. 16 1530 CST Short Narrow 0 0 0 0 Tornado (FO)	Pocahontas County	Logan with minor damage. 17 1930 CST 0 0 3 0 Thunderstorm with wind
Kossuth County	Several funnel clouds and at least one tornado were observed near the Radio Station in Algona.	0.1	Winds at 60 to 70 MPH were reported north of the City of Pocahontas by the Sheriff's Department. Only minor damage ensued. 17 1935 CST .5 40 0 0 4 0 Tornado (F1)
Humboldt and Wright Counties	16 1643 CST 7 75 0 0 4 0 Tornado (FI) 1656 CST A tornado touched down west of Goldfield and proceeded northeast.	Cedar County	Two farms were damaged about 7 miles west of Sunbury Power lines, outbuildings, and trees were the casualties of this storm.
Worth County	Only outbuildings were struck as it moved through farm areas. 16 1756 CST Short Narrow 0 0 0 Tornado (FO) A tornado was reported over Fertile in the southwest part of the	Gerro Gordo County Marion County	17 2035 CST 0 0 0 0 Funnel Cloud R member of the public sighted a funnel cloud near Clear Lake. 17 2140CST 0 0 4 0 Thunderstorm and
Worth County	County. No damage reported. 16 1820 CST Short Marrow 0 0 0 Tornado (FO) Law.enforcement officials sighted a tornado near Manly. No		Winds Trees and power lines were downed in high winds in a thunderstorm at Fella.
Cerro Gordo County	damage reported. 16 1825 CST- 6 75 0 2 5 0 Tornado (F1) 1836 CST A tornado apparently touched down repeatedly in rural areas between Rockwell and Dougherty. The worst damaged farm suffered damage to all the outbuildings, dead livestock, and broken windows in the house. Two minor injuries at another farm resulted from stepping on broken glass while escaping to the basement.	Greene County	20 1300 CST- 0 0 5 6 Flash Flood 1600 CST Seven and one-half inches of rain in about 3 hours brought tremendous flooding to the area of Scranton. There was considerable damage to County roads. Seven culverts were washed away, cars and trucks stalled out amd started floating in the water. In town, almost all basements were flooded - some to a depth of 5 or 6 feet. The farm fields that had been planted lost all the crop that had to that point survived.
Floyd County	16 1905 CST Short Narrow 0 0 0 0 Tornado (FO) The Charles City Police sighted a tornado two miles west of town. No damage reported.	Northwest Iowa	21 Afternoon- 0 0 4 5 Flash Floods Evening Heavy rains in thunderstorms caused extensive lowland flooding, especially around Sioux City. Damage was minimized by the fact
Northern Iowa	16 Evening 0 0 5 6 Flash Flood Heavy thunderstorms produced flash flooding in several areas. At Clarion in Wright County, roads were closed as water started flowing across them. More than 6 inches of rain at Stacyville in Mitchell County quickly produced floods. Fields that were adjacent to streams were underwater and those that were recently planted lost the seedlings.	Woodbury County	that flooding had already occurred — the damage had already been don 21 1437 CST 0 0 3 0 Thunderstorm and Winds Winds gusted to 60 MPH at the Sioux City Airport. Little damage resulted.
Iowa County	16 Evening 0 0 Lightning 15 stock cows and 7 calves were killed by lightning near Homestead. The cattle were struck while gathered in a circle in the middle of	Harrison County	21 1705 CST 0 0 0 0 Funnel Cloud A funnel cloud was reported just northeast of Modale. 21 1726 CST 2.5 50 0 0 0 0 Tornado (FO) A tornado was spotted by a Sheriff's Deputy in Eastern Audubon
Grundy County	the pasture. 17 1435 CST 0 0 3 0 Thunderstorm with Wind and Hail	Story County	County. It lifted without causing any noticeable damage. 21 1812CST 0 0 0 0 Funnel Cloud
Black Hawk County	Winds reached 60 MPH and hail up to 2 inches in size fell near Conrad. Many large trees were felled. 17 1505 CST 0 0 3 0 Thunderstorm Winds to 60 MPH were blowing at Cedar Falls. Minor damage occurred	Jasper County	A funnel was spotted near Slater. 21 1850 CST 0 0 0 0 Funnel Cloud A funnel was spotted by a County Sheriff's Deputy between Runnells and Monroe.
Delaware County	due to the winds. 17 1620 CST- 0 0 3 0 Thunderstorm and 1630 CST Wind Trees were downed all over the County, and near Dundee the roof of		•
Northwest Iowa	a shed was blown off. 17 Afternoon- 0 0 4 6 Flash Flood Evening Heavy rains in thunderstorms caused creeks, streams and small rivers to flood as the water ran off the saturated soil. Flooding also occurred in the streets of several towns as the storm sewers filled.		

	 		
PLACE	TIME - LOCAL STANDARD LENGTH OF PATH (MILES) WIDTH OF PATH (TARBS) KILLED PROPERTY CROPS	PLACE	TIME - LOCAL STANDARD LENGTH OF PATH (TAROS) WIDTH OF PATH (TAROS) WIDTH OF PATH (TAROS) RILLED PROPERTY CROPS CR
IOWA		14 KANSAS	
Statewide	22 Afternoon- 0 0 6 5 Thunderstorm and Evening Minds, Hail and	West Central Kansas	01 1530- 170mi 60mi 0 0 6 6 Wind, Hail, 2000CST Funnel
Cerro Cordo and Butler Counties	Flash Floods A A line of thunderstorms moved down out of Minnesot and brought a veriety of storm features into Iowa. Strong winds sank boats on Spirit Lake in Dickinson County [1435 CST] and winds gusted to 103 MPH at Estherville Attport in Emmet County [1515 CST]. Hail up to the size of golf balls damaged 1,000 acres of corn and 4,000 acres of soybeans, causing an estinated \$1.7 million loss [1500-1530 CST]. Up to 4.5 inches of rain fell in an hour at Spirit Lake - causing flash floods. As these thunderstorms developed south and east into the State, some tornadoes (detailed below) were formed. The heavy rain, hail and wind pounded a number of counties, though most of the damage was minor. 2 1745 CST- 14 75 0 0 6 0 Tornado (F1) 1811 CST A tornado touched down in the vicinity of Rockwell and moved south- east. Trees were uprooted, garages and barns destroyed, and damage		A cluster of severe thunderstorms developed along the Colorado border near Iribune and moved east across a path 60 miles wide to around Larned. Winds downed power lines, overturned a few mobile homes and camping trailers, and damaged trees, vehicles and buildings. Hail caused widespread crop damage as well. Wind, hail and funnel reports included: 1600 Golfball size hail at Tribune. 1625 Two funnels seen in northern Kearny County. 1650 Golfball size hail and a funnel at Healy. 1730 58 mph wind gust measured at Garden City's Airport. 1735 70 mph winds at Garden City. 1755 70 mph winds in northwest Hodgeman County. 1820 3/4 inch hail and 70 mph wind 12 miles north of Jetmore. 1825 58 mph wind (but no thunderstorm) at Dodge City's Airport. 1930 Wind damage northeast of Ness City.
Floyd County	was sustained to the roofs, exteriors and windows of a few farm homes. 12	Hays, Ellis County	Ol 1800CST O 0 4 0 Wind Thunderstorm wind gusts estimated at 70 mph hit Hays. Minor damage resulted.
Story County	A spotter sighted a tornado 5 miles south of Charles City. No damage was reported. 22 1812 CST Short Narrow 0 0 0 0 Tornado (FO) A tornado was spotted on Highway 30 between Ames and Nevada. No	Washington County	Ol 2220CST 0 0 3 0 Wind. A thunderstorm with wind gusts estimated at about 50 mph downed several power poles 2.5 miles south of Mashington and at Greenleaf.
Butler County	damage reported. 22 1815 CST Short Narrow 0 0 0 Tornado (FO) A tornado was sighted 6 miles north of Parkersburg. No damage	Halstead, Harvey County	O3 1945CST .5 20 0 0 3 0 Tornado (F0) A small tornado touched ground briefly and damaged a farmstead 3 miles northwest of Halstead.
Benton County	noted. 22 1922 CST Short Narrow 0 0 0 Tornado (FO) A spotter confirmed a tornado touchdown north of Newhall. No damage resulted.	Hays, Ellis County	05 1658CST 0 0 4 0 Wind Thunderstorm wind gusts estimated at 60 mph hit Hays. Minor damage resulted.
Linn County	damage resurred. 22 1955 CST 0 0 0 0 Funnel Cloud A funnel was sighted south of Mt. Vernon. No touchdown.	Logan, Phillips County	05 1756CST 0 0 4 0 Hail Golfball size hail fell southeast of Logan.
Jones County	22 2015 CST Short Narrow 0 0 0 Tornado (FO) A tornado was sighted by spotters between Fairview and Martelle. No damage.	Derby, Sedgwick County	06 1730CST 0 0 3 0 Wind A thunderstorm with winds of 60-70 mph hit the area around Derby. A mobile home being transported on interstate
Cedar County	22 2055 CST Short Narrow 0 0 0 0 Tornado (FO) A brief touchdown of a tornado was reported by members of the Lowden Fire Department. No damage.	Wichita, Sedgwick County	Highway 35 was blown off the road. 06 1807CST 0 0 2 0 Wind Thunderstorm winds estimated at 60 mph caused
Northern Iowa	26 Morning 0 0 0 4 Thunderstorms with Hail Heavy thunderstorms brought hail and heavy rains to much of Northern		minor roof damage in northeast Wichita.
Statewide	Towa in the early morning hours. Hail fell in Butler County, and a hailstorm of 7 to 10 minute duration at Dike in Grundy County caused the ground to be covered [0430 CST]. 26 Afternoon- Vening Wind and Hail Thunderstorms developed across Iowa in the late afternoon and quickly grew into damaging storms. Strong winds and large hail helped bring down trees and power lines, bearns, sheds and other outbuildings on farms. Several funnels were sighted (see below) and one	El Dorado, Butler County Morris and Wabaunsee Counties	07 0015CST A severe thunderstorm developed over Morris County and moved northeast into Wabaumsee County. Hailstones an inch in diameter fell in White City at 2310CST and winds estimated at 60 mph hit Alma at 0000CST.
Pottawattamie County	tornado was observed. The largest hail fell at Newton in Jasper County - measuring 1 5/8 inches [approximately 1900 CST]. 26 1755 CST 0 0 0 3 Hail Some minor crop damage was reported when 3/4 inch hail fell around	Summerfield, Marshall County	07 1430CST 0 0 3 0 Wind Thunderstorm winds ripped apart a barn and damaged a farm 1.5 miles west of Summerfield.
Pottawartamie County	Oakland. 26 1818 CST 1/8 20 0 0 2 3 Tornado (FO) A tornado was teported to have touched down briefly in a field 3 miles east and 2 miles north of Carson.	Memaha, Brown and Doniphan Counties	07 1500- 0 0 5 2 Wind 1615CST A severe thunderstorm formed west of Corming and moved northeast to near White Cloud and on into Missouri. The storm caused damaging winds and also dropped a tornado (listed separately).
Jasper County	26 1855 CST 0 0 0 0 Funnel Cloud A funnel cloud was sighted at Newton.		Winds blew out windows and damaged roofs in Corning at 1510CST, lifted the roof from a hog barn and damaged sheds 3 miles east of Corning about 1515, and tore limbs from trees 4 miles south
Jasper County	26 1900 CST 0 0 4 0 Lightning The lights went out for approximately 45 minutes in Newton when lightning struck power lines and a couple of transformers.	Hiawatha, Brown	of Fairview at 1530CST. 07 1533- 18 300 0 5 6 4 Tornado (F2)
Linn County	26 1943 CST 0 0 0 0 Funnel Clouds Funnel clouds were spotted at Mt. Vernon, Marion and Viola.	County	1605CST A tornado dropped to the ground 7 miles west and 2 south of Hiawatha and moved northeast. Four miles west of Hiawatha the
Jones County	26 2000 CST 0 0 0 0 Funnel Cloud Several funnel clouds were reported in the County at this time.		twister turned straight east along U.S. Highway 36 and then turned north again a little more than a mile west of Hiawatha. It continued on a northeast course and lifted 9 miles north at
Johnson County Des Moines County	26 2009 CST 0 0 0 0 Funnel Cloud A funnel cloud was reported to be just northeast of Iowa City, and then dissipated. 26 2230 CST 0 0 4 0 Lightning Power outages due to lightning strikes affected 3000 customers.		5 east of Hiawatha. Five people were injured in the storm; three lrequired hospitalization. One woman died from a heart attack in Hiawatha while the tornado passed west of town. The storm destroyed 5 farm homes, 4 mobile homes, and 43 farm buildings. It damaged 33 other homes and 97 buildings. The twister turned
	Most had electricity back in a half hour but rural residents were affected for several hours.	Northeast Kansas	over one semi-trailer truck on Highway 36 4 miles west of town and three others on U.S. 75 about 2 miles north of town. 1740- 80 15 mi 0 0 5 4 Wind, Hail 1945CST A severe thunderstorm formed over the north part of Riley County west of Randolph and raced east to around Horton. The storm dropped one inch hail near Randolph at 1745CST. Tennis ball size hail and 70mph winds hit Olsburg at 1751. The roof was torn from the Wheaton Post Office at 1900 and downburst winds left three buildings demolished and widespread damage in the downtown area of Wetmore about 1905CST. Inch diameter hail fell in Blaine at 1910, and 3/4 inch fell at Omaga about 1850 and in southeast Brown County at 1945CST.

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	OCAL	1	PATH	Ę	PE	10. C ER\$C		TIMA DAMA	TED†				CAL	PATH	Ŧ	NO. PERS			ATED!	
PLACE	DATE TIME - LC STANDARD		LENGTH OF !	WIDTH OF PATH	KILLED		INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
KANSAS	5										KANSAS									
Clay County	07 17450 A thunderst	torn				iame		iilst	3 tones	Hail	Howard, Elk County	Thur	2145CST nderstorm a home 2 :				f, p		0 and gar	Wind age
Northeast Kansas	07- Evng- 09 Evng				0		0 7	,	7	Heavy Rain, Flash Flood, Flood	Wichita, Sedgwick County	Go1:	2225CST fball size th Wichit		fell at	0 44th		l Senec	0 a in	Hail
	Leavenworth than a foo Runoff sen	tha n to t fe t ne	at pai Manh ell in early	rt of hattan n a 20 all s	Kansa and l mile tream	s no Mary wid s in	orth ar ysville de band n the a	nd ea e. M I fro irea	ast of Nine i om Cen out o	ot 'a line from nches to more tralia to Troy. f their banks. isville on Rock	Lyons, Rice County	A se	2230- 2330CST evere thu oped 3/4	ndersto inch ha	rm move il at L	0 d nort yons a	0 heas	3 st acm 306CST	4 oss Ric	Hail e County. It
	Creek, and Vermillion spillway wa Floods tore	at flo as t e ou	Robir oded torn t ut a g	nson o some from t great	n Wol stree he da many l	f Cr ts ' m at bric	reek or in Cent t the S dges, r	the rali tate	9th. ia on Lake ways a	The Black the 9th. The south of Seneca. nd railbeds. ropland. Four	Claflin, Barton County Saline, Ottawa and	A se in 1	2330CST evere thu the east 2340-	ndersto			to		nch hai	Hail l Hail
Fontana, Miama County	to five in 08 17300 Thundersto lines and	ches ST mm k	of 1 vinds	topsoi snapp	l wer 0 ed tr	e wa	ashed a 0 4 , knock	way ked c	in so 2 down p	me places. Wind ower	Dickinson Counties	gol:	OO25CST evere thu nty and m fball siz Ottawa co	oved ea e hail unties	st nort in the about O	heast north 000CS1	to r part and	ear Al of Si north	bilene. aline a hwest o	rt of Saline It dropped nd south part f Abilene at
Harper, Summer, Cowley and Butler Counties	08 1800- 2100CS	ST			0		1 5	i	6	Wind, Hail, Funnels,	North Central Kansas	1	0000- 0330CST	nsidera	bie cro	p dama O	ige i	result: 5	ed. 6	Hail, Wind
Countries	winds accor	vle) mpan	and tied t	south the st	ern B	utle and	er cour 4 torn	ties adoe	s. Ha es (1i	Lightning per il and damaging sted separately) rts included:		0sb	roup of so orne and s storms c	noved e aused s	ast to evere a	Washir nd wid	igtor des pi	and or	Clay Ce rop dam	h Center to Inter. Hail from Hage. A good many Included:
·	1825 Funne 1830 Light 1830 Inch 1902 Golft 1911 Funne 1920 3 To m 0xfor 1945 Wind 2000 Storn at Ha 2025 Inch 2035 Larg	el 2 thin dia dia all el 2 annel con wind dam mino dia dia e ti	2 mile ng set meter size 2.5 mi s; } vinds mage a pr wir potter er. F amete rees	es sou t fire r hail: e hail iles so west, damag at Burn r stru Recove r hail uproot	th of to o stones at An outh (2 non ed tra den Fa age tl ck by red fi betweed in	Aug il i s at ntho of (rthw ees airg hrou lig rom ween	t Welli ony. Oxford. west ar and bu grounds ughout ghtning minor Caldwu llingtu	0 mingto nd 5 nildi on the and injue	miles ings 4 west: city. i knoc	west of Mugusta. west of Winfield. 5 miles south of side of Winfield ked into a ditch		0020 0033 005 010 011 013 020 021 023 024	0 Golfba Glen E 0 Golfba 5 3/4 in 0 3/4 in 0 3/4 in 5 Golfba	wind a ll size ch hai ch hai mph wim mph will ll size ch hai ch hai ll size	t Osbor hail a lat Let lat Bund and and and and and and and a lat lat lat the lat Cly	ne. t Esbo panon. r Oak 3/4 in 3/4 in 2 mile es wes e Conc de. in sou	and ch h ch h s we s no t of ordi	Esbon ail at ail l st of rtheas Conco a Airp entral	Alton mile we Randal t of No rdia. ort.	est of Bloomington. I and 2 north of orway. Ington County.
Ruleton, Sherman County	2058 Funn 08 1925C A small to of Ruleton	ST :	Short do to	Narro uched	w 0 down) bri:	0 : eflv 6	3		Tornado (FO)	Dickinson, Geary and Morris Counties	Fun Ril	1400CST nel cloud	s were	seen ne imer at	0 ear Ch 1335C	0 apma ST,	0 n at 1 and so	0 320CST uthwest	Funnels , south of Fort t of Wilsey at
Winfield, Cowley County	08 1926C A small to of Winfiel	rna	Short do to	Narro uched	w 0 down	bri	0 efly 1	nile	0 e sout	Tornado (FO) th	White City, Morris County	A t	1345CST ornado to te City.	Shori uched i	Narrow Nown bri	/ O iefly :	0 2 mi	0 1es so	0 uth of	Tornado (FO)
Winfield, Cowley County	A small to	rna	do to	uched	down	5 m	niles w	est (of Win		Topeka, Shawnee County	Hai	1520CST 1stones 3 50th and	/4 inch	ı in dia Road	0 meter	0 fe1	0 1 sout	2 hwest	Hail of Topeka
Rock, Cowley County New Strawn,	08 1930C A small to	rna	do to	Narro vched	down	5 m	oniles so	outhe	O east o 2	Tornado (FO) of Rock. Hail	Osage City, Osage County	09	1605- 1715CST			0	0	3	3	Wind, Hail, Funnel
Cowley County Arkansas City, Cowley County	Golfball s 08 20460 A small to	ize ST	1	50	at Ne	w S	trawn.	ı	0	Tornado (FO)		and Osa	evere thu moved ea ge City a ona Dam a	st acro t 1605.	ss Pomo and go	na Lal	ke.	A fun	nel was	seen west of at Lyndon and
East Central Kansas	east of Ar 08- Evng- 09 Evng	kans	sas C	ity.	0		0 !		5	Heavy Rain, Flash Flood,	Edgerton, Johnson County	Thu	1826CST nderstorm age to a	winds				3 cause	0 d minor	Wind
	Thundersto line from The rain so Cygnes, Ne Cygnes wen and the ri the 16th.	Fori ent osh osh t al ver The g i	t Sco many o and bove fina e rive ts rea	tt to small Verdi flood lly we er cre ach.	Winfi stre gris stage ent ba sted	eld ams dra at ck bet	, Counce out or inage to Quener in its ween 5	f bar basin no ar band and	Grove nks in ns. T nd Pom ks at 11 fe	Flood	Doniphan, Atchison, Leavenworth and Wyandotte Counties	flo Kan par Atci The	od stage sas City t of the hison on e river fl	all alo on the month. the 16t ooded also f	ong the 9th. 7 It cre h and 9 lowland looded	Kansas he ris sted i feet field for a	s boi ver l near abo s al time	rder f began ly 7 f ve at l alor . Mor	rom Whi to fall eet abo Leavenw ig its 'e dama	Flood In River above te Cloud to during the last tive flood stage at torth on the 21st. reach. Parts of ging flooding
Johnson County	08- Evng- 09 Evng		anh	٠ م	0			7	4	Heavy Rain, Flash Flood, Hail	Ruleton, Sherman County	ll Thr	1906CST ree-quarte ith of Rul	r inch		0	0	0	4	Hail
	women were Lowell Str	any as e sti eet inc	stre espec rande s. O hes i	ets an ially d for Ine was in diam	d som damag eight s hops meter	e ho ing ho ita als	omes we along urs on ilized so fell	Indi Indi a ma foll fro	floode ian Cr edian owing	on d in Overland Park. eek. Two young at 103rd and the ordeal. of the thunder-	Goodland, Sherman County	A t alo Dam	1940- 2010CST cornado to ang an int age was m	9 uched ermitt ainly	ent trad to trees	ck bef s, pow	ore er 1	ending ines a	l mile	Tornado (F1) dland and moved e north of Goodland ces.
Sheridan, Graham and Rooks Counties	08+ 2130- 09 01000 A severe t Hoxie to S 0005CST.	ST hun toc	kton.	Golf	fball	g da siz	ımaging e hail	fel	ds and	Wind, Hail d hail moved from Hill City at	Goodland, Sherman County	A tand	pletely o	uched rth fo estroy s, irr	down 5 m r 12 m f ed and a	niles les be anothe	east fore r he	of Go lifti avily	odland ng. O damage	Tornado (F2) ne farmstead was d. Power lines, umping station

																			JUNE 1984
	OCAL.	РАТН	Ę	NO. O PERSO		ESTIMATE DAMAGE					XCAL	HTA	Ę		NO. PERS		STIM/ DAM	ATED [†] AGE	
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTHOF	(MILES)	(YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
KANSAS	5							[KANSAS										
Thomas and Rawlins Counties	11 2200CST A tornado to and skipped of Atwood.	uched d along a	own 18 n inter	mittent	north t pat	west of and en	Coll ded	5 miles north	Pretty Prairie, Reno County	A sr	1935CST mall torna Pretty Pra	obi	touched						Tornado (FO) west
Gove, Gove County	12 1605CST Two funnels			0	0	0 0		Funnels	Pretty Prairie, Reno County	Thur	1935CST nderstorm Pretty Pra	win iri	ds caus e.	ed m	0 inor				Wind nage
Hoxie, Sheridan County	12 1645CST Three-quarte		hail fe	O 11 at H				Hail	Marion, Marion County		2029CST unnel was		n just	west	0 : of i	0 Marion	0	0	Funnel
Grant and Kearny Counties	12 1645CST Hailstones 3 Kearny line	/4 inch			fe11			Hail rant- amage resulted.	Scott City, Scott County	Gol	2200CST fball siz		il fel	1 12	0 mile				
Gove, Gove County	12 1705CST Golfball size damage resul	e hail	fell at		0 Wid			Hail)	Pratt, Pratt County	14 Mon are	as and sm	ali	creeks	floo	ded	for a	e Pra short	time	Flash Flood a. Low lying and a good
Natoma, Osborne County	12 1738CST A funnel was		d near		0	0 0		Funne1	Salina, Saline	14	y basemen 1533CST				0	0	tnem. O	0	Funnel
Speed, Phillips County	12 1820CST A tornado to	Short uched d	Narrow own bri	0 (efly 3 r	O· mile	0 0 s southwe	es t	Tornado (FO) of Speed.	County Northeast Kansas		unnel was Night-	sig	hted o	er S		a. O	5	4	Heavy Rain,
Garden City, Finney County	12 1830CST A tornado to Garden City.	uched gi		riefly '	16 m	iles sout	th c			Thu par Cit	y to Frani	heas k for	t Kansa t and S	as no Sabet	rth :ha.	and ea Soil	st of was s	a lin aturat	Flash Flood e from Kansas ed from earlier anks. About
Osborne, Russell, Mitchell, and Lincoln Counties		Beloit. 1850CST ty and (e home i	Winds T, 8 mi Glen El in Osbo	estimat les west der at i rne at i	Nat ted t of 1948 1950	oma and s at 70mph Osborne . The ro and 60mp	pre wer at of	was blown rinds hit	Phillips and Rooks Counties	30 Rob 15 Tor Cre	residents inson. Evng rential ra	wer ains out	of mor	ated e th	0 an 4 iks.	n lowl O inche Overf	ands 5 s sen low w	near W 5 t Bow ashed	olf Creek at Rain, Flash Flood Out a few country
Finney and Haskell	at 1856 and 1				ler a			Funnels	Topeka, Shawnee County	A ti	1627CST nunders to lard Airpo	rm w	ind gus	it wa		0 asured			Wind t Topeka's
Counties	Five funnels west of U.S. ground moment	highway	/ 83.	Some of	the	y-Haskell funnels	co		Russell, Russell County	17	1630CST unnel was			er R	0 lusse		0	0	Funne l
Leoti, Wichita County	12 1935CST Baseball size	hail ·	fell 3 i	O (miles ea				Hail of Leoti	Russell County		1728CST unnel was		n over	sout	0 heast	0 : Russ	0 ≘11 C	0 ounty.	Funnel
Trego County Stanton, Grant and	12 1940CST A funnel was 12 1940-	seen 10) miles	west of	0 f E1	0 0 lis. 4 5		Funnel	Wathena and Elwood, Doniphan County	Dam Don	1730CST aging thur iphan Cour	nder ity.	They	ripp	hit ed th	1e roo	ast p f fro	m the	Wind Elwood Firehouse tbuildings were
Haskell Counties	2100CST A severe thur east toward S widespread cr	Sublette op dama	e. It i	dropped hree qua	l lar arte	nson and ge hail a r inch to	spr ind	ead caused	East Central Kansas	tori 21 Thu 30	0000- 1200CST nderstorm mile wide	seve s dr are	ral tre 70 30 copped a ra from	es w mi. 4-8 i nort	ere 1 0 inche chwes	topple 0 s of r t of T	d. 5 ain i opeka	5 in a i to Pa	Heavy Rain, Flood ola. Basements,
Concordia, Cloud County	12 2023CST A funnel clou	ıd was s	ighted		0 s no	0 0 rthwest o		Funnel oncordia.		Pao	la. Fiel	ds w	and are ere flo	eas w ooded	and	washe	d in d as	Topeka well.	, Lawrence and
Rush Center, Rush County	12 2055CST Golfball size resulted.	hail 1	fell at					Hail ad crop damage	Prairie View, Phillips County Thomas County	Bas	1755CST eball size	e ha						airie	
Garden City, Finney County	12 2118CST A thundersto	rm wind	gust w	as meas	0 sure	3 0 1 at 58mp	h	Wind		A s of	mall torn Oakley. 1	ado	touched	dow	n br ted.	iefly	5 mil	es nor	
Finney, Haskell, Kearny and Grant Counties	at the Garde 12- Evng- 13 Mrng One to three creeks, wash	inch n	ains ca	0 used mi			of		Ellis and Rooks Counties	A si win sur hea	rounding a vily damad	seve rge area ged.	hail ca . A nu Six c	used umber peopl	torns lextorns of o	ensive mobile staine	stro dama home	ge in I s were or ini	Wind, Hail, Heavy Rain Hays and the upset and uries. A number
Marshall and Washington Counties	13- Aftn- 16 Mrng Heavy Rains Blue Rivers Widespread f	in Nebrout of	aska se their b Nebras	ont the lanks	0 Big Agri der t	4 5 and Litt cultural o Tuttle	le flo	Flood poding was eek Reservoir	Gorham, Russell County	floo and nea	nther home	es a ets Gol lle	nd busi and bas fball s at 1920	ness emen ize and	es we ts in hail l in h	ere al Hays fell Hays a	so da . Cr near t 212 O	maged. op dam Zurich 5CST. O	Heavy rains age was extensive at 1905CST. Funnel
Halstead, Harvey	along both s of Marysvill the 15th. T the afternoo crested 9.5 the lake lev pool.	e and c he Big I n of the feet abo el at Ti	losed U Blue cr e 15th ove at	l.S. hig ested 4 in Mary Barnes reek 35	hway 1.6 f /svil that fee	36 most eet above le, and evening t above	of e fi the . Ru cons	the day on lood stage Little Blue unoff sent servation	Lincoln, Ellsworth, Saline, Ottawa and Dickinson Counties	A 1: thei	2130- 2330CST ine of sev n moved ea ds and son van Grove	vere ast me l	thunde through arge ha 2140. F	rsto Abi iil.	orms lene Wind	0 formed The is est	3 betw stor imate	5 een Wi ms pack d at 60	Wind, Hail, Funnel Ison and Lincoln ked damaging 0-65mph hit
Halstead, Harvey County	13 1755CST Golfball size and caused a	e hail :	fell ha eal of	lfa mi'	le n	orth of H		Hail tead		at a	inem utta 2317CST. 1 fe 11 8 m	Αf	unnel w	as si	een a	it Wils	on a	t 2143	ckinson County and 3/4 inch
Elkhart, Morton County	13 1810CST Golfball size		fell at		t.	3 3		Hail .	Wichita, Sedgwick County	A sr	1445CST nall torna iles south	ado .	touched	dow	n for	· a sho	ort t	ime in	Tornado (FO) a wheat field
Reno County	13 1815- 1830CST Numerous fun	nels we	re seen	0 (0 0 and Cher		Funnels Lake.	Wichita, Segwick County	22	1455CST mall torns	Sh	ort Nam	row	0	0	0]	Tornado (FO)
Yoder, Reno County	13 1835CST A small torn:	0.5	50	0 (0	1 0		Tornado (FO)	- source	6 m	iles south	1 5,0	uthwest	of:	Wich:	ta's!	nid-C	wneat Ontine	nt Airport.

									JUNE 1984
PLACE	STANDARD STA	PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF PATH	WIDTH OF PATH (YARDS)	NO. C PERSO	INS DA	MATED1 MAGE	CHARACTER OF STORM
	TIME STANDA STAN		DATE	LENC	WIDT	KILLED	PROPERT	CROPS	
KANSAS		KANSAS							
Segwick and Butler Counties	22 1500- 0 0 4 4 Wind, Hail 1616CST A severe thunderstorm developed over the south part of Wichita and moved through El Dorado. Wind and hail reports included: 1510 Tree and power line damage in South Wichita at 95th &	Lincoln County Ellsworth, Ellsworth	County. H 2315CST. 26- 2330-	nundersi ailstone Considei	s 3/4 ii	nch in c	liameter	fell ir	Hail s of Lincoln Denmark at und Vesper. Wind, Hail
	Ridge Road Sis 3/4 inch hail and 50-60mph winds at Haysville 1519 1 inch hail and 64mph winds measured at McConnell Air Force Base and adjacent Boenig Plant in Southeast Wichil 1526 off bhall size hail in Southeast Wichita at K-15 and 55th Street South. 1546 50-60mph winds at Andover 1600 Funnel's sighted 3 miles southwest of El Dorado.	County	27 00300 A severe t winds cros Ellsworth 27 0010- 01000	nunderst sed Ells at 23450 ST	worth C	ounty. barn was O	Inch dia blown o	ge hail meter l down nea	and damaging nail fell in tr Ellsworth. Hail ice County.
Ellis, Ellis County	22 1610CST Short Narrow 0 0 0 0 Tornado (FO) A small tornado touched down briefly a mile south of Ellis. No damage resulted.	Greensburg, Kiowa County	Hailstones 28 16300	3/4 ind ST ize of s	ch in dia polfball:	ameter : 0 s fell :	fell in (O 2 in Greens	ieneseo 4 iburg.	at 0038CST. Hail A considerable
Hays, Ellis County	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Northeast and East Central Kansas	28 1630- 19000 A cluster Northeast continued storms pag	100 ST of seve Kansas south i ked win	30 mi re thund between nto Osag ds of 60	0 Merstorm Marysvi je Count 1-80mph	0 5 s moved lle and y around and a gr	6 from Ne Hiawath Melver eat dea	Wind, Hail, Lightning braska into
Southern Russell County	22 $1645-1730\mathrm{CST}$ A severe thunderstorm crossed the south half of Russell County Winds were estimated at $60-70\mathrm{mph}$ just west of Gorham at $1645\mathrm{C}$ $70\mathrm{mph}$ winds hit Russell at 1700 , and a gust was measured at $63\mathrm{mph}$ at the Russell Airport at $1705\mathrm{CST}$.		home in r	ral Emm brief und 184 Omph wi	ett also heavy ra DCST. R nd at Sa	burned in floo Reports	às a re ded stre included	sult of ets bri ;	a lightning efly in South
Cottonwood Falls, Chase County	22 1745CST 0 0 2 0 Wind Thunderstorm winds estimated at 70mph caused minor roof and tree damage in Cottonwood Falls.		1735 Go1 1755 1.5 1820 60m 1825 Go1	ball si inch ha h wind ball Si	ze hail il and 6 15 miles	at Holt Omph wi north west of	on nd at Ho of Topek	yt a	and Valencia Rd.
Melvern Lake, Osage County	22-1900CST $0-0-3-0$ Winds Thunderstorm winds measured at 58mph pushed a sailboat into the dam, blew down tents and pushed campers off their stands at Melvern Lake.		1838 Go1 Wans 1840 Go1 1845 1 is	ball si maker ball si ch hail	ze hail	southwe in the irn	st of To central	-	61st and Topeka
Kingman, Kingman County	23 1345CST 0 0 3 0 Wind Thunderstorm winds damaged a mobile home and barn 2.5 miles south of Kingman.	Washington, Clay and Dickinson Counties	28 1720- 2130 A cluster	ST of seve	re thunc	0 derstorπ			Hail, Wind Nebraska north
Turon, Reno County	$23\ 400\text{CST} \ \ 30\ \ 0\ \ 0\ \ 4\ \ 0\ $ Tomado (F1) A tomado destroyed a barn, took the roofs off two houses and twisted a circle irrigation system 3.5 miles south of Turon.		resulted.	ong win Report	ds and 1	large ha ded:	through il. Wid	Heringt espread	on. The storms crop damage
Goddard, Segwick County Summer County	23 1411CST 0 0 0 0 0 Funnel A funnel was seen 1.5 miles south of Goddard. 23 1430- 1500CST A severe thunderstorm moved east across Summer County. Winds estimated at 60-70mph hit Argonia at 1430CST and destroyed a machine shed 3 miles east of Wellington at 1430.		1759 1 fr 1907 3/4 1918 60m	ch hail inch ha h wind inch ha h winds ch hail ball si	a mile il at Gr and l ir il at Wa downed at Wood ze hail	south oreen ich hail ikefield power l bine near Ho	ines nor pe	s south	east of Clay Center bilene
Sherman County	The Wellington Airport recorded a wind gust of 60mph at 1447. 24 1740- 0 0 4 4 Hail 1900CST A severe thunderstorm dropped large hail in parts of Sherman County. Golfball size fell in Ruleton at 1750CST and 7 miles north of Goodland at 1841.	South Central Kansa	2110 Go1 s 28 1845 2200 A series	ball si CST of seven	ze hail e thund	near He 0 erstorms	rington 0 5 moved r		Wind, Hail, Lightning, Funnels Jumner and Cowley
Cloud and Ottawa Counties	25 1830- 0 0 3 5 Hail 1930CST A severe thunderstorm crossed the north part of Ottawa and so part of Cloud Counties. Inch diameter hailstones fell in southern Cloud County at 1845CST and in northern Ottawa Count at 1920.	11	in Mulvan and a nea some hail of crop d	e at 194 rby ward also fo amage. about 20	SCST an house. Il from Lightni 130 and	d damage Most of the sto ng hit a	d more i ther wind orms and I hay bai	han 100 Idamag caused n 2 mi	mobile home parks) mobile homes e was minor. a good amount les south of tit a total loss.
Republic and Washington Counties	25 1930- 0 0 3 5 Hail 2030CST A severe thunderstorm formed east of Belleville and moved eas through Washington. Inch diameter hail fell in Cuba at 1933C 1.5 inch fell near Agenda at 1955 and golfball size fell in eastern Washington County at 2015CST.		1907 3/4 1915 Win Con 1928 50- 1945 Fun	inch ha d damaga way Spr 60mph w nel sigl	il at K d outbu ngs inds at ited at	ingman ildings Cheney Peck	and a p		d north of Sylvia miles west of
Osborne and Mitchell Counties	25 1950- 0 0 3 5 Hail 2100CST A severe thunderstorm formed around Downs and moved toward Beloit. Inch diameter hailstones fell in the north part of Mitchell County at 2020CST.		2008 Go1 2013 Fun 2028 Fun 2200 1/2	ne1 sigh ne1 sigh to 3 is	ited jus ited 5 m	t south iles sou covere	of Bello uth of Wi I the gro	infield	
Russell, Russell County	25 2100- 2200CST A severe thunderstorm crossed the north part of Russell Count Colfball size hail fell 10 miles north of Russell at 2155CST.			y damag					cate hail was dates in the
Hays, Ellis County	25 2105CST 0 0 4 0 Wind Thunderstorm winds estimated at 60mph hit Hays.				ey, Gre t, Wich		odgeman,	Kearny	, Lane, Ness,
Nemaha County	26 2130CST 0 0 2 5 Hail Hail the size of marbles and a little larger dropped on the north and west sections of Nemaha County. Widespread crop damage resulted.			a, Morr inson, I	s IcPherso	n			

			JUNE 19
PLACE	TIME - LOCAL STANDARD	PLACE	DATE TIMB - LOCAL STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD OF PATH (ARCS) WIDTH OF PATH (ARCS) WIDTH OF PATH (ARCS) OC CROPS STANDARD OC CROPS
KANSA!		KENTUC	
,	07 Dickinson, Doniphan, Marion, Morris	Calloway County	28 1800CST
	OB Barber, Butler, Cowley, Dickinson, Graham, Harper, Jewell, Kingman, McPherson, Marion, Nemaha, Pratt, Reno, Republic, Rooks, Saline, Sedgwick, Sheridan, Smith, Summer, Thomas		Winds At Murray city police reported high winds caused minor damage to two homes in town.
	09 Cloud, Graham, Harper, Jewell, Osborne, Phillips, Reno, Republic, Rooks, Sheridan, Smith, Thomas	16 LOUISIANA	
	10 Reno, Stanton 12 Barton, Finney, Gove, Grant, Gray, Hamilton, Haskell,		107 Faults C Plank Plank Plank
	Hodgeman, Kearny, Ness, Rush, Stanton	Rapides and Evangeline	07 Early 6 Flash Flooding Mrng Rainfall amounts of 7 to 11 inches fell over these two
	13 Harvey, Haskell, Pawnee, Scott, Stevens		parishes beginning around midnight and ending by mid- morning. Severe local flooding was reported in Alexan-
	16 Rawlins, Rush 21 Ellis, Graham, Norton, Rooks, Saline, Trego		dria and the northern portion of Evangeline Parish in the Turkey Creek area. Between 100 and 200 homes were
	22 Dickinson, Ellis, Lincoln, Marion, Morris, Ottawa, Republic,		reported to have received water damage slong with a number of businesses. There were no reports of injurie or deaths.
	Saline, Sedgwick, Trego, Washington, Wichita	Avoyelles Parish	07 0055CST 1 100 3 5 Tornado (F2)
	23 Edwards, Kingman, Pratt, Reno, Stafford 25 Cloud, Ford, Grant, Gray, Lincoln, Mitchell, Osborne,		A tornado touched down in Moreauville destroying two homes, downing power lines and destroying numerous trees and outbuildings. Three persons received minor
	Ottawa, Republic, Russell, Scott, Stevens, Trego		injuries.
	26 Atchison, Brown, Ellsworth, Lincoln, Mitchell, Nemaha, Rice 27 Clay, Dickinson, Edwards, Ellsworth, Hodgeman, Jackson, Lincoln, Pawnee	Terrebonne Parish	10 Aftn 5 Lightning Lightning struck an oil storage tank causing a large fire that destroyed the tank, an oil rig, and a portion of pipeline.
	28 Anderson, Brown, Clay, Comanche, Cowley, Dickinson, Geary, Jackson, Jefferson, Kiowa, McPherson, Marion, Marshall, Morris, Nemaha, Osage, Reno, Riley, Shawnee, Stafford,	Assumption Parish	12 1540CST Funnel Cloud A funnel cloud was sighted near Napoleonville.
	Summer, Wabaunsee, Washington	Assumption Parish	14 1430CST SVR TSTM A severe thunderstorm produced high winds that severely damaged 3 homes and uprooted numerous trees in the Bru- and St. Vincent areas. No reported injuries.
15 KENTUCKY		Evangeline Parish	15 Night 4 SVR TSTM A severe thunderstorm produced high winds at Basile that destroyed several city owned buildings.
Laurel County	17 Uncertain 0 4 0 0 Thunderstorm/ Lightning Four golfers were injured (none seriously) at the London Country Club when lightning struck a nearby tree then jumped to where the four were	Plaquemines Parish	15 AFTN 4 SVR TSIM A severe thunderstorm snapped power poles and unroofed several buildings in Buras.
Southwest Hopkins	a hearty tree then jumped to where the roan were standing. 19 1530CST	Catahoula Parish	18 1300CST ? SVR TSTM A severe thunderstorm produced scattered areas of wind damage in Jonesville.
County	Lightning At Dawson Springs lightning hit an air conditioner and furnace and caused a fire in a mobile home. The trailer was ruined. Lightning caused an attic fire in another home but caused little damage.	St. Tammany Parish	23 1445CST 4 SVR TSTM A severe thunderstorm produced hail .75 inch in diameter and 5 inches of rain in 90 minutes causing severe street flooding in Slidell. Lightning also caused one house to catch fire.
Shelby County	19 Late Aftn 0 0 3 0 Thunderstorm/ Lightning	Tangipahoa Parish	29 1310CST ? SVR TSTM A severe thunderstorm produced what was described as large hail and violent winds that uprooted numerous trees near Hammond.
	ceilings of a home struck by lightning.		crees hear nammond.
Wolfe County	20 After 0 0 2 3 Thunderstorm/ Dark Wind Near Baptist, Kentucky high winds and heavy rain	17 MAINE	
Edmonson County	toppled trees and ruined crops in several farms. 20 Uncertain 0 0 3 2 Thunderstorm/ Lightning	Lewiston & Auburn Androscoggin County	04 1040EST 0 0 ? ? Severe Thunder- A severe thunderstorm produced hail one-inch storm
	Fire caused by lightning destroyed a barn full of hay near Windyville.	Turner & Minot,	in diameter. O4 1048EST O O ? ? Severe Thunder-
Marshall County	22 1530CST	Androscoggin County	A severe thunderstorm produced golf-ball storm size hail.
	At Hardin extremely high winds lifted a mobile home from it's foundation and flipped it four times onto a busy highway. Numerous large trees were split at their bases.	Poland Spring, Androscoggin County	04 1055EST 0 0 ? ? Severe Thunder- A severe thunderstorm produced hail one inch storm in diameter.
Southern Fulton County	22 After 0 0 3 0 Thunderstorm/ Dark Winds	New Gloucester, Cumberland County	O4 1055EST 0 0 ? ? Severe Thunder- A severe thunderstorm produced hail one inch storm in diameter.
	At Fulton high winds blew the roof off a public works building. The storm also uprooted several trees in the area.	Waterville, Kennebec County	11 1300EST 0 0 2 0 Severe Thunder- A severe thunderstorm produced high winds that storm took down trees and power lines.
Trimble County	23 2015EST 1/8 50 0 1 3 0 Tornado (F1) In Bedford a small tornado produced damage to parts of roofs, a few windows and one large	Ellsworth, Hancock County	11 1420EST 0 0 2 0 Severe Thunder- A severe thunderstorm produced high winds, storm taking down trees and power lines.
	antenna on top of the school. Several trees were uprooted along the path of the tornado. One tree fell immediately in front of a truck slightly injuring its driver.	Wells, York County	14 1745EST 0 0 3 0 Severe Thunder- A severe thunderstorm produced very strong storm winds. Trees and power lines were downed. One tree landed on a new car. Power was out for 5 hours.
		1	

	NO. OF ESTIMATED DAMAGE			AL	РАТН	Ε,	NO. C				
PLACE	TIME - LOCAL STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD (CARDA) WIDTH OF PATH (YARDS) DYWYGE CROPS STOWN CROPS CROP	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P.	WIDTH OF PATH (YARDS)		INJURED	PROPERTY	CROPS	CHARACTER OF STORM
18 MARYLAND	and D.C.	MASSAC	HUSE	TTS							
El dersburg	6 1430EST 0 0 3 0 Lighthing Two Eldersburg homes were struck by lightning. Only light damage was inflicted.	Harvard-Ayer area		540- 700EST			0	0	3	0	Lightning, Thunderstorm Winds and
Eastern Shore	6 Evening 0 0 3 0 Lightning Lightning caused a farm building fire near Royal Oak, Talbot County, Elsewhere, a power surge by a nearby lightning strike also set fire to a trailer near the community of Queen Anne, close to the Talbot-Queen Annes county line. Damage was minor.	North Quincy	Numerou out mos were fe	st of t elled.	he ele	ctric p	ower as	man	ny tre	e limb	Heavy Rain m winds knocked s and some trees s. Downburst Wind
Anne Arundel County	7 2200EST 0 0 4 0 Wind, Lightning Thunderstorms moved through central and southern portions of the county downing trees and interrupting electrical service. At least 15 trees had to be removed from county roads. At Cape St. Claire a home was extensively damaged when a large tree was uprooted and crashed through the roof and one side.	Western and Central	Two tra were b parking	540EST ailers lown of g lot. ate Aft	f the Damag ernoon	roof of e was o	ned, a fabui confine	few t Iding I to	trees g, dan a qui	uproot maging ite sma	ed, and stones autos in a ll area. Thunderstorm Winds
Wye Mills	10 Morning 0 0 ? 0 Wind Scattered thunderstorms brought locally strong winds to the mid Eastern Shore region. This caused irreparable damage to the historic Wye Oak treesaid to be 444-years old. A supporting cable snapped, sending a huge 20- to 30-ton limb of the ancient tree crashing to the ground.		area a: region crashe was da	s a sca . A mo d throu maged b ower in	tteringtorist gh the y a fa the	g of se was in winds! lling Northan	evere t njured hield o tree npton a	hunde in So f his About	erston outhbo s car t 10,0	rms mov oro whe . In P 000 ele	ities across the ed through the n a tree limb almer, a house ctric customers g killed a cow
Montgomery County, Washington, D.C. & Prince Georges County	18 1530EST 0 0 0 Clightning, Wind A series of thunderstorms, outstanding for the amount of lightning contained in them, moved across the area causing power outages and a number of lightning strikes upon homes. No damage of signifi- cance was reported.	20 MICHIGAN									
Frederick County	18 Late Afternoon 0 0 0 Wind, Lightning & Evening Two separate thunderstorms, one at 1630E and the other at around 2200E, produced a number of electrical interruptions in and around Frederick and vicinity.	2 mi. north of Gera, Saginaw Co.	Indust	900EST rial b	uildin	g and c	0 ontents 0	0 bur 1	5 med. 0	0	Lightning Thunderstorm
Hagerstown	18 1700EST O 1 O Lightning A 16-year-old youth was listed in fair condition after being struck while he was listening to a radio in a barn next to his house.	Co. 1 mi. NE of Benning- ron, Shiawassee Co.	Girl S	Struck	by fal	_	_	0	4	0	Tornado (F2)
Baltimore	18 2320EST 0 0 3 0 Wind Thunderstorm wind gusts to near 40 mph knocked out power to over six thousand homes in the Baltimore metropolitan area.		veral	nearby			nsiderat O	ole d	lamage O	to se-	
Eastern Shore	18 2300- 0 3 0 Wind 2400EST An apparent downburst wind associated with thunderstorm activity uprooted a number of 16-inch diamter trees near a home in Royal Oak, Wicomico County. More than 500 homes lost electricity for a time in the community of Trappe, Talbot County. Damage was light.	1 mi. N. of Perry and near Lennon, Shiawassee Co. 3 mi. SW of Bay City to 1-mi.NW of Pinne-	2 sigh	2008- 2016EST ntings, 1820- 1900EST	15 mi 48	les aps		2	6	0	Funnel cloud Tornado (F3)
Washington, D.C., Prince Georges & Charles Counties	28 1545- 0 0 3 0 Hail, Wind 1800EST A weak cold front set off locally severe thunderstorms as it moved southeastward through the area. In Prince Georges County hail ranging from pea-size to around one inch in diamter fell in the Landover area at 1545E. and in Largo and Camp Springs around 1615E. while about 10,000 homes in the Washington area were temporally without power. Waldorf, in Charles County, reported hail at 1700E. Hail through the region damaged local gardens and tobacco fields.	bog, Huron Co.	10 min ed ove touche trees stince report Touch reache south narror	nutes per and down. L down at. Coasted gused downed maxiedge owner at the coasted to the coasted	rior t blown ifted ind aut t Guar t at 8 again mum in of Bay	o touch through as it r os dama d at mo lmph. S on Sag tensity Port as miles	ved by andown. Some of the control o	Semi- ouse nto H t pat Sagi t cap ay. H move EST.	trail wall Bay Ci th bec inaw r psized Appare ed. Or Track dened	ler tur at fir ity. Ma came in river d on Ba ently nshore k very and	n- st ny di- y.
Cecil, Harford & Baltimore Counties	30 Afternoon- 0 0 3 0 Rain Evening Heavy showers accompanied a slow-moving cold front and resulted in some local flooding late in the evening. (Flooding was to become more serious as downpours continued into the early hours of July lst.)	2mi. S of Caseville,	wide 12 ou destr ving	at end tbuildi oyed. I	of traings, 2 Thousands cut	ck. 4 l mobileds of	houses, e homes trees d ken gla	21 1 , 3 1 own. ss.	barns farm i	, 5 sil machine men dri	os, s
	;	Huron Co.	2 occu	pants : re bolt	injure s of 1:		car was	str		у 3 вис	
19 MASSACHU Western, Central &	.՝	Ubly, Sanilac Co.		0 the			0	1	0	0	Lightning
Northeastern portion		Jonesville area, Hillsdale Co. 7 mi. ENE of Selkirk Ogemaw Co.	13 1 3/4" h blocki 13 1 Touche	1050- 1130EST mail 4m ing road 1510EST	i, wes d 3 mi 0.8 on so	t of Jo . east. 35 utheast	onesvill corner	0 ie, t 0	0 crees 5	0 down 0 Lake.	Thunderstorm Tornado (F1)
Taunton-Attleboro area	7 1315- 0 1 3 0 Lightning, Wind and Heavy Rain A motorcyclist was struck and injured by lightning when he stopped to wait out a storm under a tree in Norton. Several hundred electric customers lost electricity. Lightning ignited a closet afire in a home in Tauton and thunderstorm winds knocked down several large trees.	Wayne Co.	unroof ½ mi. where garage	fed. Fur southe the oc was d	nnel s astwar cupant estroy	een. Na d throu heard	arrow pa agh wood a roar	ith o	of des	truction house	
	1		Airpon sons.	rt, Air	liner and wi	crash l res dou	3 mph a landed, wn thro	inju	ıring	5 per-	000

			JUNE 198
PLACE	STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD MIDTH OF PATH (VARDS) STORM ST	PLACE	TIME - LOCAL STANDARD -
MICHIG	SAN I	MINNES	OTA
		Jackson County	. 4 2028CST
Lenawee and Monroe Counties	13 1700- 0 0 4 0 Thunderstorm 1800EST Many trees and powerlines down. 4500 customers lost power.	and Cottonwood County	Funnel observed just west of Windom on Jackson and Cottonwood County Line.
Norton Shores. Mus- kegon Co.	17 2245EST -0 0 5 0 Lightning Restaurant destroyed by fire.	Benson (Swift County)	5 1928CST 0 0 0 0 Hail Golfball size hail reported in the city of Benson.
Monroe Co.	18 1245- 0 0 4 0 Thunderstorm 1500ZST		
	Wind and lightning caused widespread minor power outages.	Hennepin County	5 2037CST 0 0 0 0 Hail Golfball size hail reported just east of Lake Calhoun.
Sebewaing, Huron Co.	23 1715EST 0 2 0 0 Lightning	Becker	5 2220CST 0 0 4 0 Wind
	Woman carrying an umbrella, which was struck, hurt seriously. Another woman standing nearby was hurt slightly.	(Sherburne County)	Thunderstorm winds caused extensive tree damage and knocked down power lines in the city of Becker.
Gogebic Co.	26 1700EST 0 0 3 0 Thunderstorm Many trees down. 2 vehicles damaged. Minor power	Lake Henry (Stearns County)	5 2250CST
	outage. Gusts to 52 mph at Ironwood Airport.	Eden Valley (Meeker County)	6 0334CST
Escanaba, Delta Co.	26 1710EST 0 0 3 0 Thunderstorm Many large trees blown down or split by lightning.	(neeker councy)	Thunderstorm winds moved two trailer homes off their foundations and broke many windows in the city.
Marquette, Marquette Co.		Hennepin County	6 1525- 1 0 4 0 Wind 1545CST
	3/4" hail stones.		Thunderstorm winds knocked down numerous branches and power lines in Wayzata, Deephaven, Excelsior, Long Lake and on the east side of Lake Minnetonka. A golfer was struck and killed by a falling limb on a golf course in Orono.
21 MINNESOTA		F21 B/	5 154005
Rice County	4 1245- 0 0 4 0 Wind 1342CST	Elk River (Sherburne County)	6 1548CST 0 0 0 0 Wind Thunderstorm winds reached 60 miles per hour in Elk River.
	Thunderstorm winds hit the southeast section of Rice County. Trees and power lines were knocked down near County Road 15 east of Morristown.	Wright County	6 1605CST 0 0 4 0 Wind Thunderstorm winds downed trees and damaged homes 10 miles east
Janesville (Waseca County)	4 1437CST 1.5 200 0 0 5 0 Tornado (F1)		of Buffalo.
(The tornado began just northeast of Janesville off Highway 14 and moved northeast. One barn was knocked down and the roofs of two hog confinement buildings were damaged. Debris was scattered for ‡ mile.	Crow Wing County	6 1630CST 0 0 3 0 Wind Numerous trees and power lines were knocked down from Brainerd to Deerwood.
Waseca County	4 1440- 0 0 4 0 Wind 1510CST	Aitkin (Aitkin County)	6 1725CST 0 0 3 0 Wind
	Thunderstorm winds moved from southeast of Janesville to near Reeds Lake. Roofs were torn off at several locations.	(Arekin councy)	Thunderstorm winds knocked down trees and power lines in the vicinity of Aitkin.
Rice County	4 1545CST Short Narrow 0 0 0 0 Tornado (F0)	Hoffman (Grant County)	7 1310CST 0 0 0 0 Funnel
	Tornado touched down briefly in a field off Highway 46 three miles north of Faribault.		Funnel sited limites southwest of Hoffman.
	1 15005 01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sibley County	7 1330CST 0 0 4 0 Wind Thunderstorm winds hit and destroyed a trailer home 4 miles
Wendell (Grant County)	4 1550CST Short Narrow 0 0 0 0 Tornado (F0) Tornado touched down briefly 1½ miles north of Wendell.		east of Gaylord. The trailer home was lifted and dropped 40 feet from its original position.
Ottertail County	4 1612CST	Northeast Douglas County	7 1500- 0 0 0 6 Hail, Wind
	Funnel Observed 10 miles south of Fergus Falls.		Marble to golfball size hail damaged a 12 square mile area in the northeast corner of Douglas County. Strong thunderstorm
Glyndon (Clay County)	4 1632CST Short Narrow 0 0 0 0 Tornado (F0) Tornado touched down briefly 2 miles northeast of Glyndon.	50.	winds drifted hail into rows a foot high.
Le Center (Le Sueur County)	4 1700- 0 0 3 0 Wind 1730CST	Edina (Hennepin County)	7 1505CST 0 0 0 0 Wind Thunderstorm winds reached 70 mph at the Southdale Shopping Center.
	Thunderstorm winds destroyed a garage 2½ miles southeast of Le Center and another 4½ miles southeast of Le Center. Auto- mobiles at both sites were damaged from flying debris.	Anoka County	7 1510CST 1 0 0 0 Lightning
Clay County	4 1729CST 0 0 0 0 Funnel		Construction worker killed by lightning on the roof of a house in Oak Grove Township.
	Funnel Observed in Kragnes area.	Hubbard County	7 1515CST 0 0 0 0 Funnel
Ellsworth (Nobles County)	4' 1942CST 0 0 3 0 Wind		Funnel sited in rural area of northern Hubbard County moving northeast in the direction of Bemidji.
į.	Thunderstorm winds uprooted trees and damaged buildings in	i	1

			JUNE 198			
PLACE	STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD (MILES) WIDTH OF PATH (MILES) WOODE STANDARD CROPS CRO	PLACE	TIME - LOCAL STANDARD OF STAND			
MINNES	OTA	MINNESOTA				
Stevens County White Bear Lake (Ramsey County) Grant County Stevens County	7 1525CST 0 0 0 0 Funnel Funnel sited 20 miles west of Morris moving north. 7 1527CST 0 0 0 0 Wind Thunderstorm winds reached 60 mph along Highway 694. 7 1530CST 0 0 0 Funnel Funnel sited 20 miles north of Morris. 7 1532CST 0 0 0 Funnel Funnel sited 3 miles west of Donnelly.	Austin (Mower County)	7 1836CST 5 100 0 7 6 0 Tornado (F2) A tornado struck in the southern outskirts of Austin knocking dot trees and farm buildings then moved northeast. The heaviest damage occurred at a bowling alley in southeast Austin off Highway 218. The roof on the east side of the bowling alley as well as a wall was knocked down. Debris was blown inside the building as well as across the street. Three cers in the parking lot were tossed about and a truck driver broke a collarbone when his truck was blown off Highway 218. The tornado also destroyed a home and TV repair shop across the street from the bowling alley before crossing an open field. The tornado went on to cause damage to the Austin Country Club and flipped over a mobile home east of Austin before dissipating although there were 45 people in the bowling alley only 6 received injuries.			
Blue Earth (Faribault County)	7: 1735CST 0 0 4 0 Lightning Lightning struck a power transformer and shattered several porcelain switches.	Austin	7 1844CST 0 0 0 0 funnels Several funnels were sited south of the Austin Airport.			
Southeast	7 1735- 0 2 5 0 Wind 2015CST An area of thunderstorms that spawmed tornadoes initially moved into Faribault County from Iowa. This area of thunderstorms	Grant County	7 1855CST 0 0 0 0 Funnel Funnel sited four miles west of Elbow Lake.			
	into Faribault County from lowa. Ints area or tunderstorms moved east along the Towa border but also surged northeast. Numerous reports of wind damage were received east of a line from Blue Earth to Waldorf to Faribault to Cannon Falls. Gusts were reported to 81 mph in Albert Lea at 1825CST, 70 mph in Faribault at 1851CST, 68 mph in Rochester at 1905CST and 75 mph near Stockton at 1950CST. Two women were injured five miles east of Blue Earth when winds knocked their camper pickup off Highway 90. Two airplanes and three hangars were damaged and a trailer home was demolished east of Dodge Center. Buildings and airplanes also received wind damage at an airport near Blooming Prairie. There were numerous reports of damage to homes and farm sites across southeast Minnesota from thunderstorm winds. Power outages were also common. Five 60 ft. transmission poles were snapped near Bixby and a mile of transmission poles near Claremont were knocked over to a 45 degree angle.	Douglas (Olmsted County) Fillmore and Winona Counties Douglas (Goodhue County)	7 1915CST 1 50 0 0 5 0 Tornado (F1) A tornado touched down at a farm site three miles east of Douglas and moved north. The tornado ripped one barn apart and scattered the debris for 300 yards. A second barn was lifted from its foundation and destroyed. Trees were uprooted at the farm site and debris was found twisted. 7 1926CST 0 0 0 0 Funnel Funnel observed near Spring Valley moving northeast toward Chatfield. 7 1935CST 2.5 50 0 0 4 0 Tornado (F0) A tornado struck a farm site near the intersection of Highways			
Freeborn County	7 1815CST 6 80 0 0 5 0 Tornado (F1) A tornado began 3 miles southeast of Albert Lea and skipped across the ground as it moved northeast through Pickerel Lake township into Manchester township. Damage occurred to trees, homes and farm sites at 13 locations before the tornado dissipated three miles south of Manchester.	Springfield (Brown County)	52 & 1 in Leon township. The tornado blew the windows out of a car, uprooted trees, drove a steel post from a highway sign into a camper and damaged a home. The tornado moved north and ripped the roof off a barn at another farm site a few miles away. 12 0045CST 0 0 0 0 Wind Thunderstorm winds reached 60 miles per hour at Springfield.			
Albert Lea (Freeborn County)	7 1819CST 14 100 0 12 7 0 Tornado (F3) The tornado struck near an industrial park southeast of Albert Lea near Highway 65 then moved north. The tornado moved across Highway 35 & 65 near their intersection and across Albert Lea Lake. After crossing Albert Lea Lake the tornado continued to move north through Bancroft township. The tornado's damage path ended two miles south of Clark's Grove. The tornado ripped houses from their foundations, destroyed the Albert Lea Ambulance Service building on the south side of town and tossed cars and trucks around at numerous locations. Thirteen houses and four businesses were totally destroyed. Damage also occurred to an additional 51 houses, 8 commercial properties and 16 farms.	Little Falls (Morrison County) Polk County	12 0330CST			
Waldorf (Waseca County)	7 1820CST 1 50 0 0 3 0 Tornado (F1) A tornado knocked down trees and flying debris caused minor building damage at two farm sites two miles east of Waldorf. Residents reported siting a funnel cloud from their farm house before the damage occurred. Large trees were twisted off and knocked down.	Dorothy (Red Lake County) Red Lake (Beltrami County)	12 1730CST 0 0 0 0 Hail Golfball size hail fell at Dorothy. 12 1945CST 0 0 3 0 Wind Thunderstorm winds knocked down trees and power lines and damaged the roof of a home at the Red Lake Indian Agency.			
Freeborn and Steele Counties	7 1825CST 18 80 0 0 6 0 Tornado (FI) A tornado began 10 miles east of Albert Lea and one mile south of Highway 90 in Oakland township. The tornado moved north causing damage to four home and farm sites along a four mile damage path. The tornado touched down again two miles south of Hollandale and caused a six mile long damage path before lifting again just east of Geneva. The hangar at a crop dusting airport in Hollandale and nearby grain bins were destroyed. The tornado touched down again briefly at a farm site between Geneva and	Red Lake (Beltrami County) Mizpah (Koochiching County)	12 2049CST 0 0 0 3 0 Wind Thunderstorm winds knocked trees and power lines down just south of Red Lake. 12 2110CST 0 0 0 0 Hail Hail 1 inch in diameter fell at Mizpah.			
	Ellendale in Steele County. The farm house was damaged and several farm buildings destroyed.	Hendricks (Lincoln County)	14 0959CST 0 0 0 0 Funnels Three funnels observed in the vicinity of Hendricks.			
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		ا کو ا	PATH	¥TH.	PER	SONS	DAM	AGE	CHARACTER	!		80°	PATH	¥.	PERS	SONS	DAM	AGE	CHARACTER
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
MINNES	OTA									MINNE	501	ſA .							
Taopi	16 192				0	0	4	0	Wind	Southwest and South Central	22	2 1215- 1544CST			0	0	4	6	Wind, funnel, hail, lightning
(Mower County)	Thunder farm si	tes to	the s	outh an	id eas	tof	Taopi.	Wind	through two is destroyed two around the	(Redwood, Nobles, Jackson, Freeborn Counties)	Re wi	eports were edwood Fall: inds damage specially no 245CST. "P	s at 1 d crop ear La retty	215CST. s acros: mberton good si	Hail s sout and b ze" ha	3/4" h sec etwee iil kn	in dia tions en Wand ocked	meter of Rec la and out se	niles west of driven by strong dwood County, Sanborn at about everal windows in
Howard Lake (Wright County)	17 154	46CST			0	0	0	0	Funnel .		fe si ca	ell near Wi ize, driven ars, destro	lmont by wi yed a	at 1335 nds est grain b	CST. imated in and	At 14 I to 8 I rava	125CST, 85 mph Iged cr	hail broke ops so	oall size hail up to golfball windows, dented outhwest and
Wabasha (Wabasha County)	17 161	10CST			0	0	0	0	Funnel		fo 11	oundation by ightning stroutheast of	y stra rike d Windo	ight-li aused a m about	ne win fire 1500	nds at which CST.	Lismo destr At 15	re abo oyed a 25CST	ped from their out 1300CST. A a barn 5 miles a funnel was ted just west of
Mantorville (Dodge County)	17 164	15CST			0	0	0	0	Funnel			lbert Lea a			5 01 0	וועווו טו	were	report	ted Just west of
(bodge councy)	Funnel	sited	northw	est of	Manto	rvill	≘.			Southwest and	22	2 Afternoo	n		0	0	0	6	Very heavy rains,
Maple Plain (Hennepin County)	17 165	58CST			0	0	0	0	Funne?	South Central (Redwood, Blue Earth Jackson, Pipestone, Roch Counties)) To	ng and close	ed son	ne roads	. Nea	ır Laπ	berton	, the	flash flooding sused flash flood- Cottonwood River so closed due to
Pine Island (Goodhue County)	17 171 Funnel		southw	est of	0 Pine	0 Islan	0 d movi	0 ing eas	Funnel st northeast.		hi ar	igh water no nd pasturel:	ear La and we ty. l	ke Crys re inun	tal an dated,	d Lak incl	efield uding	. Lan more 1	rge areas of crop than 30,000 acres kson in about
Rochester (Olmsted County)	17 174 Funnel		in non	thann n	0	0 un of :	0 Dochas	0	Funnel	Cook County		5 2000CST	r.		0	0	3	0	Hail
Roscoe (Goodhue County)	17 180				0	0	0	0	Tornado (FO)		33	ail up to 3 3 miles to overed with	the no	rthwest	strip of Gr	ped t and M	rees a larais.	nd dar The	naged cars ground became
,	Tornado		ed dow	n brief	•			of Ro		Bemidji	25	5 2328CST			0	0	3	0	Wind
Springfield (Brown County)	17 183 Funnel		near S	pringfi	0 ield.	0	0	0	Funne1	(Beltrami County)		nunderstorm t Bemidji.	winds	caused	tree	damag	ge and	overti	urned trailers
Goodhue and Wabasha Counties	17 183 Tornado line be	touch	ed dow	n brief	ly ne		0 odhue	0 and Wa	Tornado (FO) abasha county	Carlton County		1320- 1335CST			0	0	0	0	Wind
											th	thundersto at damaged	nm mov trees	ing east	t thro se Lak	ugh C e and	arlton at th	Count e Kett	y generated winds le River.
Racine (Fillmore County)	17 184 Funnel		east o	f Racin	0 ie.	0	0	0	Funne 1	Lake County	26	1330- 1350CST			0	0	0	0	Wind, hail
Mazeppa (Wabasha County)	17 184	15CST			0	0	0	0	Funnel		He	il to l" in eavy rain, s ported 20 m	trong	winds a	and go	lfbal	1 size	River hail	to Two Harbors. was also
Zumbro Falls (Wabasha County)	17 184 Funnel		south (of Zumb	0 oro Fa	0 11s.	0	0	Funnel	Polk and Marshall Counties	26	2130CST			0	0	0	0	Hail
Truman (Martin County)	17 210)2 CST			0	0	0	0	Funnel		Ha	orthern Poll	k Coun the g	round to	intos oade	outhw pth o	estern f 2" a	Marsh t some	forks through Hall County. Plocations. Hrado.
Adrian	19 205	5CST			0	0	0	0	Wind										
(Nobles County)	Thunder	storm (winds 1	reached	60 m	iles p	er ho	ur at	Adrian.	22 MISSISSIPPI									
West Central (Big Stone, Traverse,	22 091 101	5- 5CST			0	0	0	0	Wind, hail, funnels	Washington County	13	1330CST			0	0	4		High Winds
Grant, Otter Tail Counties)	central 60-70 m	Minnes	sota di ompanie	uring t ed by h	he la ail s	te mor truck	ning. the B	Wind eards1	cross west Is reaching to ey area in		ble Gre	vere thunder w down tree enville.			ed urb	an fl		1n	
	strong County.	winds winds winds with the second winds with	were re el clou	eported uds wer	betw e rep	een Wh orted	eaton near	and D Herman	rge hail and very bumont in Traverse (Grant County) (County) at	Alcorn County	Thu	1300CST inderstorm t ill building			ton.	0 trees	and d	estroy	
Cottonwood, Marshall	22 114 115	45- 57CST			0	0	0	0	Hail	Lafayette County	Αm	1400CST						ile fi	
(Lyon County)	Golfba		d hail at 115	pelted 70ST.	d Cott	tonwoo	d at	1145CS	T and 1" hail	Harrison County	22	m a small t			0	0	4	0	High Winds
Eden Valley, 3 West (Meeker County)	22 12:	24CST			0	0	0	0	Funnel		wer	small airc e over turn fport-Bilos	red by	strong	thund-	ersto			
Just south of Pipestone (Pipestone County)	22 12:	25CST			0	0	0	0	Funnel										

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		OCAL	HTA HTA		NO. PERS		ESTIM, DAM		CHARACTER			OCAL		PATH	ATH (NO. PERS		ESTIMA DAMA		CHARACTER
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PAT	(TAKUS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL		LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
23 MISSOURI	,						_			MISSOU	RI									
Bates	Hail	1623CST to one in n Butler.	ich diameter		0 d win	0 nd 50	0 to 60	0	Large Hail	Buchanan		2050C L to 2 St. Jos	inch d					? rthrid	3 Ige	Large Hail
Harrison (Crossed state	A to:		10 200 ched down j	ust				5	Tornado (F3) (F4 in Iowa)	Pettis		1610C		epor	ted in	0 Sedali	0 a.	0	0	High Wind
line into Iowa)	it de touch	ado killed estroyed t ned down n d M and mo	issouri and d a man and their mobil near the judyed in a d	inj e ho ncti irec	ured me. on o	his to The f Cour alon	wife a storm nty Ro g US (as outes 69 to	•	Saline	Wind util	1700C to 70 ity but	mph u Iding	at 1	Emma.	The ut	dama	4 ged a build	small	Damaging Wind
	befor	nsive dama re moving m produced	y in Iowa. age to farm into Iowa d more inju	s in wher ries	Hari e the and	rison e des deat	Count tructi hs 88	ty ive well		Воопе	15 Very	1755CS heavy feet of	T rain	produ	uced fl	0 ash fl	0 ooding	5 g in C	5 olumbi	Flash Flooding a.
	for t	more than	sive damage a hundred : for further 7 miles.)	mile	s in	Iowa	. (See	e Iowa	ı	Cass	A clone of r	1400CS oudburs drowning ain fel	t pro g in l in	Belto 15 mi	on. Fo inutes,	ur and turni	one l ng sti	nalf i reets	and nches into	Flash Flooding
Atchison	Wind		damaged a l	barn			4 down	3	Damaging Wind			rs. Or ding.	e iir	e tiş	ghter w	as res	cued 1	from t	he	
Buchanan	Seven		f rain fell sive floodi	in	St.				Flash Flooding	24 MONTANA										
	heavy the E homes mobil	rain tur lacksnake and to b e homes w	med streets Creek to desinesses were washed m into the	ver: vas v away	to ri flow. wides y. Th	lvers The spread ne dam	and c damag land lage i	aused e to some		Ashland Rosebud Co.	A t	1900 l cornado l destr rown ap	touch oyed a	ned d pol natel	e build y 100 y	ling.	The d	ebris	nland was	Tornado (F1)
Davies	A tor produ Most mile	ced consi of the da of utilit	1 100 thed down so derable dam mage was all ty poles were mage was als	outh mage Long ce si	to a Rout nappe	ltamo agricu e J.	lture Near ome m	d ly a linor	Tornado (F2)	Ingomar Rosebud Co.	15 3/4	1310 l " hail gomar.	MST			0 es nort	0 theast	?	?	Hail
Davies	7 A tor and m	2200CST nado touc loved to j he storm	-	ıst ı F Jai	0 south mespo e hom	l n of J ort al	6 amesp ong R arm b	5 ort oute uildin	Tornado (F2)	Miles City Custer Co.	A t	1500 l tornado ty in a	was r rural			damage	repo	rted.	es	Tomado (F0)
Holt	Numer	ous other	buildings a cut to s	were wor	e dan	aged.	The	0	Large Hail	Miles City Custer Co.	Go1	1505 1f ball cal str	size			0 ted in	0 Miles	3 City	?	Hail
1510	Hail		nch diamete				-	Ţ	20-8	Rock Springs Rosebud Co.		after				0	0	3	?	Hail and Rain
Holt	Napia		roof off a		0 tili:	0 zer p	3 lant i	0 Ln 0	Damaging Wind		rai str aft	miles e in in a ripped ter thi ep in d	short from 2 s stor	t per 200 f nn an	iod of t. of obser	time. roadway ver rep	Grav Twoorted	el was o days hail	s knee	
Boone	Hail	to 3/4 ir	nch diamete						Large Hail Tornado (F1)	Birney	Spi	rings. 1815				0	0	?	?	Hail
Nodaway	A to:	tructural	1/2 50 hed down n damage rep	ear	0 Graha d but	0 am alo t dam	Ong US age to	S 71.		Rosebud Co.		lf ball		d hai	.1 in a	nd aro	und Bi	rney.		
Nodaway	8 Wind Rave	nwood. Ot	destroyed o	ne h wer	e de	4 mil	ed, ro	oof	Damaging Wind	McLeod Sweetgrass Co.		1600 e inch		repor	ted.	0	0	?	?	Hail
Nodaway	numb	er of powe		wned	lini O	the a	rea. 4	4	Tornado (Fl)	Beaverhead Co.	A.:	after small e shing o the Bi	arth o	idges	and r	oadway	s from			Flash Flood
	Cente		hed down in Structural orted.							Decker Big Horn Co.	- 1	1611			50	0	0	5	0	Tornado (F1)
Worth	The M	el cloud a	lighway Pati ind high wir	rol: nda	t Der	nver.		0	Funnel Cloud High Wind		te Cr	tornado d moved d multi eek mir	norti ple v e was	heast ortic stri	t. Ah cesat uckand	ighway times. Cause	patro The d appr	olman Sprin roxima	repor• g tely	
Audrain			reported :	just		h of		o.	High Wind	Rimov	ui	00,000 pment a	nd po	wer 1	lines.					Tomodo (E1)
Audrain		nado touc	1/4 50 hed down by	r1ef		mil es			Tornado (FO)	Birney Rosebud Co.	A Ri	1635 tornado ver Val d in ri	was:	spott oward						Tomado (F1)
Audrain	A ton	1830CST mado dest meast of N	troyed two		0 is abo	0 out 1	5 0 mile	4 es	Tornado (F1)	Broadus Powder River Co.	1	1810			20	0	0	?	?	Tornado (F0)
Buchanan		1945CST Joseph Pol	lice estima		0 wind	0 to 6	0 Eph.	. 0	High Wind		100	blic re ving no ea.								i
Buchanan	St.	2004CST Joseph Pol St. Josep	lice report		0 hree		0 el clo	0 ouds	3 Funnel Clouds	Coalwood Powder River Co.	21	1855 hail c		d the	e groun	0 .d.	0	?	?	Hail

PLACE	TIME - LOC STANDARD S	PLACE	TIME - LOC STANDARD STANDARD (MILES) (
25 NEBRASK	4	NEBRASI	KA
Pierce County	01 0000CST 0 0 4 0 Lightning Lightning killed seven steers on a farm south of Osmond.	Eastern Nebraska	07 1400CST
Morrill County	03 1717CST 1/8 30 0 0 4 0 Tornado (F1) Tornado touched down briefly 8 miles northeast of Bayard, damaging farm buildings and taking a roof off a trailer. FPP101		Strong south winds gusting 50 to 60 m.p.h. generally east of a line from Sioux City to Grand Island to Red Cloud broke tree limbs, damaged utility lines, blew out some windows and raised large clouds of dust in rural areas. Peak gusts of 61 m.p.h.
Box Butte County	03 1930CST 0 0 4 4 Flash Flooding Four to six inches of rain 16 miles north of Alliance resulted in flooding which damaged crops, fences and roads.		were measured at Lincoln and 56 m.p.h. at Omaha. The dust reduced visibility to near zero at times in open farm areas resulting in a number of multivehicle accidents. Twelve people were injured in a six vehicle accident near Bruning. Another major accident occurred 15 miles south of Columbus.
Hall County	04 1633CST 0 0 0 0 Funnel Cloud Public reported a funnel cloud east of the Stuhr Museum just south of Grand Island.	Thurston County	07 1420CST 0 0 4 4 Flash Flooding Nearly 4 inches of rain in a short period of time resulted in flooding around Pender and Walthill-with extensive soil erosion.
Hall County	04 1700CST 0 0 0 0 Funnel Cloud Spotter reported a funnel cloud near Doniphan.		Some creeks went out of banks. Basements flooded and water ran 3 to 4 feet deep in parts of Pender.
Adams County	04 1740CST 0 0 0 0 Funnel Cloud Numerous reports of funnel clouds just north of Hastings by the public.	Thurston and Burt Counties	O7 1420CST 0 0 5 0 Damaging Winds Thunderstorm winds blew out house windows, damaged a mobile home, barn and grainbins 4 miles north of Walthill. A garage was also
Hamilton County	04 1758CST 0 0 0 0 Funnel Cloud Highway Patrol reported funnel cloud near 1-80 interchange in the vicinity of Phillips.		damaged just northeast of Lyons. Many trees and power lines were also damaged in Thurston County.
Clay County	04 1803CST 1/8 10 0 0 0 Tornado (FO) Tornado touched down briefly in Trumbull with no damage. FPP900	Stanton County	07 1440CST 0 0 3 4 Hail and Flash Flooding Three quarter inch hail and 5 to 6 inches of rain in 45 minutes
Adams County	04 1833CST 0 0 3 3 Hail One and a quarter inch hail fell in Holstein.	Knox County	damaged crops, fields and roads at Pilger. O7 1550CST
Hamilton County	04 1849CST 0 0 0 0 Funnel Cloud Funnel cloud reported west and south of the Phillips I-80	Richardson County	Three quarter inch hail damaged property and homes in Niobrara. 07 1550CST 0 0 0 0 Funnel Cloud
Hall County	interchange. 04 1850CST	Otoe County	A funnel cloud was reported 3 miles south of Rulo. 07 1630CST 0 0 4 0 Damaging Winds
Hall County	Funnel cloud reported south of Alda		Thunderstorm wind gusts damaged storage and hay sheds and blew the windows out of one home on two farmsteads 4 miles south of Nebraska City. Other tree and utility line damage occurred in the county.
	One and a half inch hail fell briefly just southwest of Grand Island. Two inch hail fell at Camp Augustine south of Grand Island.	Richardson County	07 1745CST 0 0 4 0 Damaging Winds Thunderstorm wind gusts damaged machine shed and other out- buildings on three farmsteads southwest of Humboldt. Other
Hall County	04 1911CST 1/8 10 0 0 ? 0 Tornado (FO) Tornado touched down briefly 8 miles south of Grand Island with no reported damage. FPP000	Boone, Platte and Colfax Counties	scattered tree and utility line damage on farms. 07 1800CST
Adams County	04 1911CST 1/8 10 0 0 ? 0 Tornado (F0) Tornado touched down briefly 6 miles north of Hastings with no damage. FPP000	COTTAX COUNTIES	Hail up to 3 inches damaged property and crops at St. Edward, Creston, 8 miles northeast of Columbus and near Clarkson.
Buffalo County	O5 1710CST O O 4 O Damaging Winds Strong thunderstorm winds hit Kearney overturning 2 campers, destroying a greenhouse and downing power lines and tree limbs.	Pawnee County	07 1800CST 1/4 50 0 0 3 2 Tornado (F1) Tornado touched down 2 miles southeast of Pawnee City destroying 3 farm outbuildings. FPP101
Holt County	05 1728CST 1/16 15 0 0 ? 0 Tornado (FO) Tornado touched down briefly 10 miles northwest of 0'Neill with no damage reported. FPP000	Dodge County	07 1920CST 0 0 3 4 Damaging Winds and Hail One inch hail at Scribner and Uehling and winds estimated to 70 m.p.h. at Dodge caused scattered property and crop damage.
Rock County	05 1730CST 0 0 4 3 Damaging Winds Buildings, power lines and trees were damaged by thunderstorm winds about 25 miles south of Bassett.	Nuckolls County	09 0001CST 0 0 0 0 Hail Police reported $1\mathbf{i}_2$ inch hail in Superior.
Holt and Boyd Counties	05 1830CST	Webster County	09 0100CST 1/8 10 0 0 3 0 Tornado (F1) A small tornado damaged a camper and boat in Blue Hill. FPP100
	One and a half inch hail from Atkinson to Lynch northeast to the South Dakota border destroyed crops and damaged buildings and cars.	Cuming County	09 1500CST 0 0 3 3 Flash Flooding -1600CST Heavy rains flooded roads between Wisner and Beemer, water was over the junction of highways 275 and 51.
Rock County	05 1900CST 0 0 6 4 Damaging Winds and Flash Flooding Thunderstorm winds damaged several homes, buildings, center pivots, trees and power lines around Bassett. Heavy rains washed out roads and damaged several rooms at the Bassett	Keith County	10 2301CST 0 0 4 4 Hail One and a half inch hail south of Ogallala broke windows and damaged 5 grain bins, two center pivots and crops.
Adams County	high school. 05 1905CST 0 0 2 3 Hail Hail lk inches in diameter covered the ground at Holstein.	Perkins and Chase Counties	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Boyd County	05 1915CST 0 0 3 0 Flash Flooding Nearly 4 inches of rain flooded roads near Lynch and Monowi.		structural damage along with damage to trees, signs and power lines. At Grant, a large brick building was leveled, windows were blown out of structures and the roof was blown off a large garage allowing the walls to fall on road equipment and
Merrick County	05 2000CST 0 0 3 2 Damaging Winds Thunderstorm wind gusts to 74 m.p.h. were clocked in Central City causing some roof and tree damage.	Keith County	trucks. Large grain bins were damaged at Lamar. 11 0300CST 0 0 4 0 Damaging Winds Strong south winds estimated 75 to 90 m.p.h. downed trees and power lines around Ogallala.
Platte County	05 2100CST 0 0 4 4 Hail One and a quarter inch hail damaged crops, buildings and cars 3 miles south of Monroe.	Dundy County	11 1430CST 1 30 0 0 5 3 Tornado (F2) Tornado touched down 15 miles north-northwest of Haigler and moved northeast 1 mile damaging a tractor, sheds, power lines, fence and hay bales. FPP211
		Chase County	11 1455CST 2 30 0 0 4 0 Tornado (F2) A tornado touched 9 miles south of Imperial and moved northeast 2 miles damaging five center pivot irrigation systems and fence. FPP211

	AL	PATH	<u> </u>		. OF SONS	ESTIM.	ATED†				AL	РАТН	ī		OF SONS	ESTIM DAM	ATED!	
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF PA	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PA	WIDTH OF PATH (YARDS)	מורפס	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
NEBRAS	KĄ	L		.	l		L		NEBRAS	SKA			1		L	 	·	
Chase County	11 1455CST Hail to near south of Cha	3 inche	es in d	0 diame	0 ter da	3 maged	4 a truc	Hail ck and crops	Hall and Howard Counties	Tor		hed do					northe	Tornado (F3)
Chase County	11 1612CST A tornado to reported dam	uched do	wn bri					Tornado (FO) neta. No		and and off	trees. building of track	Hardes s rece s. Ma	thitw iving m	as St. ajor d	Libo amag	ory wit e and r	h seve	power lines eral homes ed cars blown egs damaged
Chase County	11 1612CST Lightning se		o a ho	O ome i		3 eta.	0	Lightning	Buffalo County	11	Cairo. FP 2020CST	1/2						Tornado (F2) orth of Gibbon
Dawson County	11, 1710CST Tornado touc							Tornado (FO) 2000	Hayes County	des		build		d caus		heavy o	lamage	to trees. FPP20 Funnel Clouds
Phelps County	11 1712CST Funnel clouds miles north o and Loomis	report		iles			rtrand		Nance and Merrick Counties	Fun 11	nel cloud 2050CST	s were		ed 11 0	mile: O	s south	west o	of Wellfleet. Hail and Heavy Rain damage from
Dawson County	11 1725CST Funnel clouds of Lexington.	report	ed sou		0 Over	0 ton an		Funnel Clouds les south		Pa1 to	mer to 20 north of	miles Genoa.	northe	ast of	Pali	mer and	i from	Fullerton
Phelps County	11 1735CST Police report		nnel r		0 5 mile	0 es nor		Funnel Cloud Holdrege.	Nance County	Lig	2050CST htning st	rike k		0 catt			f Fulle	
Buffalo County	11 . 1754CST Police report			0	0	0	0	Funnel Cloud	Perkins County	Tar of	2050CST nado touc Grant to power li	hed do 5 mile	wn brie s south	fly at	int	ervals	from 4	Tornado (F1) 1 miles south e damage to fenc
Cedar County	11 1800CS1 -1900CS1 Tornado touch Coleridge nor	ed down	30 for b to 5 m	rief	perio	4 is fro	n 5 mi	Tornado (F1) les west of cattered damage	Knox County	11 One	2130CST inch hai	l dama	ged pro	perty	and		around	
Buffalo County	to crops, uti	ility li r	nes an	d fen O	ce. Fl	P131 0	0	Funnel Clouds	Lincoln County	A t	thwest of	s sigh North	ted by Platte	the Na	tion o ea	st-nor	ther Si theast	Tornado (F1) ervice 20 miles . Tornado with some crop
Buffalo County	State Patrol 11 1815CS1 One and a hal	ſ		0	0	0	3	Hail	Hall County	daπ 11	age. FPP1 2150CST	11		0	0	0	0	Funnel Cloud
Hayes County	of Kearney.	r		0	0	0	0	Funnel Cloud		Gra	te Patrol nd Island	•						
Hayes County	Funnel cloud 11 1840CS1 One and a hal	г		0	0	3	3	Hail	Lincoln County	Tor	2204CST nado touc tte with	hed do	wn brie	fly 5	mile	es sout	0 h-sout	Tornado (FO) hwest of North
Buffalo County	damage around		Center	٠.		4		Tornado (F1)	Hall County	Fit	2213CST ty to six Cairo wit	ty m.	o.h. thu tree l	nders	torm	2 winds		Damaging Winds eported northeas
	damaging 8 o	utbuildi		nd pov	er li	ries. F	PP101	O interchange	Lincoln County	11 Fur	2220CST nel cloud	Iwasi	eported	0 ! 10 m	0 iles	0 southe	0 ast of	Funnel Cloud Brady.
Lincoln County	11: 1850CS A funnel clo	ud was r	eporte		0 uth-so	0 uthwes		Funnel Cloud Hellfleet.	Custer County		2235CST unnel clo		report	0 ed 10		0 es nort		Funnel Cloud othenburg.
Lincoln and Frontier Counties		winds i						Damaging Winds areas damaged turned a combine.	Madisón County		-2300CST ty to six	ty m.,				tree li		Damaging Winds and Hail d damaged r inch hail
Lincoln County	11 1851CST A funnel clo	ud was i	report			north				dan of	aged prop Norfolk.	erty a	ind crop	s 3 m	iles	west a	nd 2 m	iles south
Lincoln and Hayes Counties		of rain west o	f Kayes	s Cen	ter.	Flood	sed a i	Flash Flooding road to wash so caused a road	Lincoln County	Put	2250CST lic repor 2256CST	ted a	funnel	0 cloud 0	11 g	0 niles s ?	outhea	Funnel Cloud st of Hershey.
Dawson County .	to be partia 11 1930CST Tornado touc	1/4 hed down	20 1 4 mil	0 les n	0 orthea	5 ist of	3 Farnas		Platte and	One SOL		lf inc		repor	ted a	it Lake	Malon	ey, 11 miles
Dawson, Buffalo, Sherman, Howard and Hall Counties	major damage 11 1945CST -12 0300CST	to farm	nhouse	and O	two ou	itbuil 6	dings. 6	FPP101 Flash Flooding	Colfax Counties	-12 Hai Col	-0230CST 1 caused umbus to	scatte Richla	ind whil	e hear	vy ra	in cau	sed so	Damaging Winds and Hail from near me flooding. around Duncan
	rains from a	ith anoi round Co es to fa	ther 19 ozad ar armlano	5 to . nd Am ds oc	20 mil herst currec	e wid to ne and i	e path ar Boe many c	ebrog and of 3 to 7 inch lus. Extensive ounty roads and ur feet of water	Hayes County	and 11	Columbus 2315CST			0	0	0	0	Funnel Cloud of Hayes Center
	ran down the Urban flood	streets ling was om Oak	s of Ri repor Creek.	avenn ted a	a as M t Cair	lud Cr o fro	eek we m Dry	nt out of banks. Creek and at also reported	Thayer County	1	1657CST -1815CST	•	200 own 3 mi	0 les s	5 outh	6 of Nau		Tornado (F3) and moved east
Dawson County	11 1955CST Funnel cloud				0 south	0 of Go				to sou lir	2 miles s thwest an es, trees	outh o d sout , fend	of Bruni th of Br es and	ng. uning outbu	Five inju ildin	farms uring 5 ngs wer	were h peopl e heav	eavily damaged e. Many power ily damaged
Dawson County	11 1955CST -2007CST Sixty to sev Gothenburg t outbuildings	enty m. hrough	p.h. ti Cozad	0 hunde damag	0 rstormed tre	4 n wind ees, u	0 s in t tility	Damaging Winds he area between lines and farm			other far							-
Howard County	11 2015CST One and a ha around Danne	If inch	hail	0 cause			4 and cr											

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PLACE	TTME - LOCAL LENGTH OF PATH (MILES) WIDTH OF PATH (TARDS) WIDTH OF PATH (TARDS) WIDTH OF PATH (TARDS) WIDTH OF PATH (TARDS) CROPS CR	PLACE	TITIME - LOCAL STANDARD - LENGTH OF PATH (VARDS) WILLED - LOCAL MIUNEED - LOCAL MIUNEED - LOCAL MIUNEED - LOCAL MIUNEED - LOCAL STOWN STOWN CROPS - STIMUTED - LOCAL MIUNEED - LOCAL STOWN
NEBRAS	KA	NEBRAS	KA
Fillmore, Saline, Thayer and Jefferson Counties	12 1800CST -13 -0100CST	Adams County	12 1910CST 1/16 30 0 0 0 0 Tornado (F0) Tornado touched down briefly just south of KHAS-TV tower north of Hastings. Mo reported damage. FPP001
	Eleven inches of rain fell at Ohiowa in southeast Fillmore County. An average of 8 to 10 inches fell in southeast Fillmore and southwest Saline Counties with 4 inch rains the average in the four county area. Destructive flooding occurred with	Franklin County	12 1915CST 0 0 3 3 Hail One inch hail reported by a storm spotter in Riverton.
	scores of bridges and county roads with washout damage and enormous losses of topsoil from erosion. Residents reported the worst flood eyer on Dry Sandy Creek, Little Sandy Creek and	Cass County	12 1945CST 0 0 0 0 Funnel Cloud A funnel cloud was reported between Elmwood and Avoca.
	much of Turkey and Swan Creek. Flooding entered homes and buildings in Ohiowa, Swanton, Alexandria and completely inun- dated the 700 population of Dewitt. All residents of Dewitt	Howard County	12 1959CST 0 0 0 3 Hail One and a half inch hail reported 3 miles southeast of Dannebrog.
Lamanadam Camatu	were evacuated for 3 days as water ran 2 to 5 feet deep in town. Hundreds of cattle and hogs were lost. 12 1803CST 15 150 0 0 6 5 Tornado (F2)	Kimball County	12 2000CST 0 0 0 4 Hail and Heavy Rain Small hail accumulated 3 inches deep and in combination with
Lancaster County	12 1803CST 15 150 0 0 6 5 Tornado (F2) Tornado touched down 3 miles south of Raymond and skipped along east to just southeast of Naverly. Farm buildings were destroyed, some cattle were killed and 5 homes were damaged, other damage to trees and power lines. FPP232	Washington County	up to 3 inches of rain damaged crops in southern Kimball County. 12 2005CST 0 0 0 0 Funnel Cloud Funnel cloud was reported near Kennard.
Lancaster County	12 1803CST 0 0 0 4 Hail One and a half inch hail fell southeast of Raymond causing crop damage.	Jefferson County	12 2100CST 0 1 6 3 Damaging Winds Eighty-eight m.p.h. winds in thunderstorms caused widespread damage at Fairbury and farms to the southwest. Buildings damaged, windows were blown out and considerable damage reported to trees and power lines. One person was cut by flying
Cass County	12 1820CST 11 100 0 6 4 Tornado (F2) Tornado touched down 2 miles west of Avoca and moved northeast lifting 6 miles north of Nehawka. Homes, outbuildings, equip- ment and grain bins were damaged or destroyed on six farms. A hundred and five hogs and 4 cattle were killed. Also heavy damages to trees and utility lines. FPP232	Otoe County	glass at Fairbury. 12 2100CST 0 0 3 0 Damaging Winds Thunderstorm winds downed some tree limbs and power limes around Nebraska City.
Cass County	12 1830CST ¼ 50 0 0 3 3 Tornado (F2) Tornado touched down in open field 3 miles south of Murray and moved northeast a short distance before lifting. Damage	Dodge County	12 2150CST 0 0 3 4 Flash Flooding Heavy rains flooded bottomlands causing topsoil erosion and crop damage around Hooper and Nickerson. Some road flooding also reported.
Lancaster, Otoe, Sarpy, Cass and Saunders Counties	to trees and fences. FPP201 12 1830CST	Sioux and Dawes Counties Box Butte County Dodge, Washington,	13 2033CST 0 0 0 0 Funnel Clouds -2217CST Funnel clouds were reported 15 miles north of Harrison, 15 miles northwest of Crawford and 12 miles north of Whitney. 13 233CCST 0 0 4 0 Lightning Lightning started fire that destroyed 200 tons of hay 4 miles north of Alliance. Lightning also knocked out two transformers in Alliance.
	and basements flooded. Around 2045CST, 2 people drowned just east of Lincoln when flood waters from Stevens Creek swept their car off the road on U.S. Highway 34 and south 134th Street. Around 205CCST, another man was injured at 72nd Street and 0 Street in Lincoln when he was sucked into an open manhole by flood waters and carried underground until he emerged into a creek. He was able to cling to a tree and was rescued by firemen. Other flooding was reported along Wahoo, Rock, Silver, Cottonwood and Sand Creeks in Saunders County. Downstream of Lincoln from Maverly to its mouth near Ashland, Salt Creek caused the worst flooding since 1908. Water up to 4 to 8 feet deep entered homes and trailers and 5 businesses in Ashland. The Highway 6 Bridge collapsed. Many roads and rail lines in the counties	Douglas and Sarpy Counties	14 1915CST 15 -0300CST 6 or 16 six inches of rain around Arlington and 4 to 5% inch rains around Mooper and Uehling fell on saturated soil resulting in flash flooding, roads and bridges were washed out and severe soil erosion was reported. Bell Creek flooded several homes near Arlington. In Douglas and Sarpy Counties, areas of urbab and lowland flooding occurred and a number of drivers had to be rescued from vehicles stalled in water. The Big Papio Creek had some of the highest water levels since 1962 with some urban damages along the flood plain in the Omaha metro area from Bennington through 84th Street.
Cass County	were damaged. Severe topsoil erosion occurred. 12 1830CST	Stanton and Cuming Counties	14 1930CST 0 0 4 4 Flash Flooding Heavy rain caused flash flooding over Highway 275, 7 miles east of Morfolk and south of Westpoint. Several cars were washed off the highways covered with mud and water.
Polk County	12 1830CST 0 0 0 Funnel Cloud Storm spotter reported a funnel cloud 3 miles southwest of	Scottsbluff County	15
Adams County	Osceola. 12 1843CST O O 3 3 Hail One and a half inch hail was reported just south of Hastings.	Banner County	15 1555CST 1/16 30 0 0 0 0 Tormado (FO) Tormado touched down briefly 5 miles north of Harrisburg with no damage reported. FPP001
Sarpy County	12 1845CST 0 0 3 0 Hail One and half inch hail fell in the base housing area at Offutt Air Force Base with some property damage.	Stanton, Cuming,	15 1640CST 0 0 0 0 Hail One inch hail fell 5 miles northwest of Harrisburg.
Butler County	12 1900CST 0 0 4 Hail Hail Hail crops 5 miles south of Columbus.	Burt, Colfax, Dodge, Washington, and Douglas Counties	15 1900CST 0 0 7 7 Flash Flooding Four to six inches of rain fell across portions of Cuming, Burt, Dodge, Stanton and Colfax Counties on saturated ground
Boone, Platte, Colfax and Cuming Counties	12 1900CST 0 0 4 4 Flash Flooding -2100CST Heavy rain caused flooding along smaller streams with water over several highways. Considerable erosion with water over fences in bottomlands was reported.		resulting in heavy runoff and flash flooding. Four and a half to five inches fell in Hooper and Winslow and 4 inches at Howell. A flow crest was generated at Mestpoint on the Elkhorn augumented by flooding on Shell Creek at Howells, Pebble Creek at Scribner, Logan Creek near Winslow and Haple Creek near Nickerson. A twelve foot dam also broke north of Howells around 0200CST, flooding the town as water rose 4 feet in 30
Kearney County	12 1908CST 0 0 0 Funnel Clouds Numerous funnel clouds reported 5 miles south and 5 miles west of Minden.		minutes forcing evacuations. The worst flooding since 1944 took piace in the following days downstream in the Elkhorn basin as urban flooding hit Crowell, Scribner, Hooper, Winslow, Arlington, Kings Lake and Vencils Island. Flood damages occurred to many roads, bridges and rall lines. Crop damage
Clay County	12 1910CST 0 0 0 0 Funnel Cloud Funnel cloud reported 3 miles west of Trumbull.		was very high. Livestock drowned and heavy topsoil erosion took place.
Hamilton County	12 1910CST 0 0 0 Funnel Cloud Funnel cloud reported 3 miles east of Hampton.	Keith County	15 2000CST 0 0 ? 0 High Wind Sixty m.p.h. winds were reported by the public in a thunderstorm on the west edge of Lake McConaughy. No damage reported.

PLACE USE STATE OF THE PLACE USE OF THE				JUNE 1984
Lincols County The County Th	PLACE	PERSONS DAMAGE	PLACE	PERSONS DAMAGE
Countries Coun	NEBRA	SKA	NEBRASH	A .
Unclaim Country Display Control Country Display Country	Lincoln County	Tornado touched down briefly 6 miles south of North Platte.		Sixty to seventy m.p.h. winds took the roof off a building
Counties 15 - Signature forces at the content of 3 falls and froncing it with region countries 15 - Signature forces at the content of 3 falls are not seen at the conten	Lincoln County	15 2045CST		reported around Memphis, Cedar Bluffs, Dodge, Uehling and Ceresco. The fallen tree limbs also damaged a number of
		-16 -0300CST 0 0 5 5 Flash Flooding. Four to eight inches of rain resulted in flash flooding. Stinking Water Creek northwest of Palisade rose 8 feet in a number of hours with water over road. Water in canyons north of Hamlet ragged tearing down trees and fences and carrying vehicles. Frenchman Creek flooded Highway 6 east of Wauneta. Water was to the top of car tires in Wauneta and one basement	Washington Counties	Sixty to seventy m.p.h. thunderstorm winds downed numerous trees and caused power outages. Fallen trees damaged vehicles and structures. Windows were blown out of a home northeast of Lyons and a home and farm buildings suffered damage 5 miles northwest of Tekamah. Farm buildings and equipment were
Transact touched Count 9 miles west and by miles worth of Eighn moson country with no reported danger, P79001 Therston Country Therston	Keith County	Tornado reported by sheriff 4 miles northwest of Ogallala. No		Tornado touched down at intervals from 9 miles southeast of Westpoint east to 4 miles south of Oakland. Scattered
Sheriff reported toroads backed gow priefly 4 miles north or files with no papered change. PRPSOI 1 Thurston County 17 1550237 0 0 0 funed Cloud ghort priefly by miles south or favored county about 19 miles south of favored change for the south of favored change for the south of favored change for the south of favored change for favored change favored		Tornado touched down 9 miles west and 2½ miles north of Elgin in open country with no reported damage. FPP001	Burt County	17 1814CST 7.5 30 0 0 5 3 Tornado (F1) Tornado touched down at intervals from about 2½ miles north of Tekamah east to near Pisgah, lowa. Scattered damage mainly
Special County Fame Cloud was sighted in extrees corthasts Therston County about 10 miles south of Serges till Util, Tools, and about 10 miles south of Serges till Util, Tools, and the south of Serges till, and		Sheriff reported tornado touched down briefly 4 miles north of Elba with no apparent damage. FPP001		north of Tekamah and a school building near Pisgah. FPP131
Antelogo Country 17 169551 0 0 6 6 Dawaging Winds bins, overtured a tentirector and trailer. Worst hail damage was at Eligh where damage to honest, businestes and St. Boniface Church was estimated at over 11 million. 7811 up to 3 inches damaged crops only propriy also. 18 11 180051 1/8 30 0 0 7 0 Tornado (70) Tornado (70) Tornado (10) Tornado touched down Firely 19 million to reported damage. PPR001 Stanton County 19 181053 1 50 0 0 5 Tornado (72) Tornado touched down Firely 19 million to reported damage. PPR001 Stanton County 19 181055 1 50 0 0 5 Tornado (72) Tornado touched down A million to reported damage and the detroying two irrigators systems and upon the country of the Elihorn River and its tribusaries in Perce County. Madison County 19 181055 1 50 0 0 5 Tornado (72) Tornado touched down A million to reported around the country of the Elihorn River and tis tribusaries in Perce County. Madison County 19 181055 1 50 0 0 5 Tornado (72) Tornado touched down A million to reported around Revolution and property and the country of the Elihorn River and tis tribusaries in Perce County. Madison County 19 181055 1 50 0 5 Flash Flooding Perce Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Perce Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Perce Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Country 19 181055 1 50 0 5 Flash Flooding Coun		Funnel cloud was sighted in extreme northeast Thurston County	Scottsbluff County	Four inches of rain in and north of Mitchell washed bridges out east of town and caused urban and field flooding. The heavy rain along with half inch hail damaged thousands of acres
Platte County		Winds up to 80 m.p.h. damaged buildings, trees, power lines, grain bins, overturned a semitractor and trailer. Worst hail damage was at Elgin where damage to homes, businesses and St. Boniface Church was estimated at over \$1 million. Hail up to		21 1300CST 0 0 6 5 Flash Flooding -1500CST Heavy rains of 4 to 5 inches washed out 5 bridges in Cedar County. Many fields along Logan, Pearl and 8ow Creeks were flooded with several head of livestock drowned. Lowland flooding also covered fields and roads along the north fork
Stanton County 17 1500CST 1 0 0 0 5 0 Tornado (FZ) The County 17 150CST 0 0 5 6 Flash Flooding County 2 17 170CST 7 40 0 0 5 6 Flash Flooding Tornado touched down and the southwest of Niser and moved and Responsible Tornado touched down and the southwest of Niser and moved and Responsible Tornado touched down States and uprooting the County 2 17 170CST 7 40 0 0 5 3 Bail Responsible Tornado Free Tornado F	Platte County	Tornado touched down briefly 1½ miles southwest of Lindsay	Dakota County	21 1415CST 0 0 3 0 Damaging Winds Thunderstorm gusts to 60 m.p.h. caused scattered tree limb
Numerous funnel clouds were reported around Morfolk. Stanton, Madison Cuming Counties 17 1330ST	Stanton County	Tornado touched down 4 miles southwest of Stanton and moved northeast 1 mile destroying two irrigation systems and uprooting	Harlan County	21 1840CST 0 0 0 4 Hail Hail to near 3 inches in diameter fell briefly south of Alma
Antelope, and Counties Coming Counties Coming Counter Coming Counter Tive to seven inch rains washed out many county roads, bridges, portions of Highway 275 and crops. Shell, Whinn, Taylor, Logan and Pebble Creeks all went out of banks. Coming County Tornado touched down 5 miles southwest of Misner, uprotting trees and damage in part and demostrate and moved northwast to It will be an out of banks. Coming County Tornado touched down 5 miles southwest of Misner, uprotting trees and odd mingring farm buildings, utility lines and irrigation systems. FPD 21 Tornado touched down 5 miles southwest of Misner, uprotting trees and damage. Tornado touched down 5 miles southwest of Misner, uprotting trees and damage in part 10 miles and irrigation systems. Third County Tornado touched down 5 miles southwest of Misner, uprotting trees and source property around Misner. Thurderstorm wind gusts blew a horse barn apart 10 miles northwest of Baylaid City. Colfax County Tornado touched down 5 miles south of Experiment of Schuyler. Colfax County Tornado touched down 5 miles south of Schuyler. Colfax County Tornado touched down 5 miles south of Schuyler. Colfax County Tornado touched down 6 miles south of Schuyler. Colfax County Tornado touched form 6 miles south of Schuyler. Tornado south 9 miles south of Pender in PPPIO1 Thurston County Tornado touched down 6 miles south of Pender in PPPIO1 Thurston County Tornado touched form 6 miles south of Pender in PPPIO1 Thurston County Tornado touched form 6 miles south of Pender in PPPIO1 Thurston County Tornado touched form 6 miles south of Pender in PPPIO1 Thurston County Tornado touched form 6 miles south of Pender in PPPIO1 Thurston County Tornado touched form 6 miles south of Pender in PPPIO1 Tornado touched form 6 miles south of Pender in PPPIO1 Thurston County Tornado touched form 6 miles south of Pender in PPPIO1 Tornado touched form 6 miles south of Pender in PPPIO1 Tornado touched form 6 miles south of Pender in County 6 miles form 6 m			Knox County	Tornado touched down briefly 2 miles east and 5 miles north
Tormado touched down 5 miles southwest of Misner and moved northeast to 1½ miles north of Misner, uprotting trees and damaging farm buildings, utility lines and irrigation systems. FPP121 Cuming County 17. 1700CST	Antelope, and	-1830CST Five to seven inch rains washed out many county roads, bridges, portions of Highway 275 and crops. Shell, Union, Taylor, Logan		-2200CST Heavy rains flooded streets in Bloomfield with small stream flooding lowlands in eastern Knox, north and west Cedar and
Cuming County 17, 1700CST	Cuming County	Tornado touched down 5 miles southwest of Wisner and moved northeast to 1½ miles north of Wisner, uprooting trees and damaging farm buildings, utility lines and irrigation systems.		Three quarter inch hail fell in Hershey with no reported damage.
Butler County 17 1710CST 0 0 5 0 Damaging Winds Thunderstorm wind gusts blew a horse barn apart 10 miles northwest of David City. Large trees and power lines were damaged in David City. Large trees and power lines were damaged in David City. Colfax County 17 1715CST 0 0 0 0 Funnel Clouds Funnel clouds Funnel clouds were reported north of Schuyler. Cuming County 17 1720CST ½ 40 0 0 4 0 Tornado (FI) An irrigation system was destroyed as a tornado touched down 6 miles south of Pender. FPP101 Thurston County 17 1730CST 0 0 6 6 Damaging Winds and Hail Thunderstorm winds damaged irrigation systems southeast of Macy and uproted trees. Windows were blown out of a church at Rosalie. Hail up to l½ inches was reported at Pender and Rosalie with crop and property damage. Three to four inches of rain in a short time eroded crops and damaged roads. Saunders County 17 1730CST 0 0 0 0 Funnel Clouds Fannel Clouds Fannel Clouds were reported by the public near Morse Bluff, Ceresco and Ashland. Saunders County 18 Dodge County 23 0330CST 0 0 0 5 Flash Flooding power outages around Fremont. Madison, Platte, Stanton, Colfax, and Cuming Counties Stan	Cuming County	17, 1700CST 0 0 5 3 Hail	Lincoln County	22 2350CST
Colfax County 17 1715CST	Butler County	17 1710CST 0 0 5 0 Damaging Winds Thunderstorm wind gusts blew a horse barn apart 10 miles northwest of David City. Large trees and power lines were	Dodge County	Sixty-five m.p.h. thunderstorm winds toppled trees and caused
Cuming County 17 1720CST & 40 0 0 4 0 Tornado (FI) An irrigation system was destroyed as a tornado touched down 6 miles south of Pender. FPP101 Thurston County 17 1730CST 0 0 6 6 Damaging Winds and Hail Thunderstorm winds damaged irrigation systems southeast of Macy and uprooted trees. Windows were blown out of a church at Rosalie with crop and property damage. Three to four inches of rain in a short time eroded crops and damaged roads. Saunders County 18 Prown County Brown County 24 1640CST 0 0 0 4 Hail One and a half inch hail damaged crops 9 miles west of Ainsworth. Knox County 24 2035CST 0 0 0 4 Hail One and three quarter inch hail damaged crops north of Crofton. Holt County 24 2315CST 0 0 5 5 Hail One and three quarter inch hail damaged crops north of Crofton. Holt County 25 0030CST 0 0 3 5 Damaging Winds Hail and strong winds caused extensive crop damage along a narrow path from 2 miles south of Hazard to 8 miles north	Colfax County	17 1715CST 0 0 0 0 Funnel Clouds	Stanton, Colfax,	-0600CST Heavy rains caused small stream flooding of lowlands. Shell
and Hail Thunderstorm winds damaged irrigation systems southeast of Macy and uprooted trees. Windows were blown out of a church at Rosalie. Hail up to 1½ inches was reported at Pender and Rosalie with crop and property damage. Three to four inches of rain in a short time eroded crops and damaged roads. Saunders County 17 1735CST 0 0 0 Funnel Clouds -1800CST -1800CST Funnel clouds were reported by the public near Morse Bluff, Ceresco and Ashland. Sherman County 18 10 0 0 0 5 5 Hail One and three quarter inch hail damaged crops north of Crofton. 19 24 2315CST 0 0 5 5 Hail One and three quarter inch hail damaged crops north of Crofton. Sherman County Sherman County Sherman County Holt County 25 0030CST 0 0 3 5 Damaging Winds and Hail Hail and strong winds caused extensive crop damage along a narrow path from 2 miles south of Hazard to 8 miles north	Cuming County	An irrigation system was destroyed as a tornado touched down	Brown County	Creek near Newman Grove flooded Highway 91. 24 1640CST 0 0 0 4 Hail
Macy and uprooted trees. Windows were blown out of a church at Rosalie. Hail up to lk inches was reported at Pender and Rosalie. Hail up to lk inches was reported at Pender and Rosalie with crop and property damage. Three to four inches of rain in a short time eroded crops and damaged roads. Saunders County 17 1735CST 0 0 0 Funnel Clouds 1800CST	Thurston County	and Hail	Knox County	
-1800CST Funnel clouds were reported by the public near Morse Bluff, Ceresco and Ashland. Hail and strong winds caused extensive crop damage along a narrow path from 2 miles south of Hazard to 8 miles north		Macy and uprooted trees. Windows were blown out of a church at Rosalie. Hail up to l½ inches was reported at Pender and Rosalie with crop and property damage. Three to four inches	Holt County	One and three quarter inch hail knocked out windows in homes and businesses at Stuart and destroyed crops between Stuart,
Π	Saunders County	-1800CST Funnel clouds were reported by the public near Morse Bluff,	Sherman County	and Hail Hail and strong winds caused extensive crop damage along a narrow path from 2 miles south of Hazard to 8 miles north

														_			JUNE 1984
	LOCAL	F PATH	N PE	O. OF ERSONS	STIMAT DAMA(CHARACTER			COCAL	PATH (PATH		OF SONS	EST IMA		CHARACTER
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF PAT (MILES)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
NEBRAS	KA							28 NEW JERSE	Y								
Cass and Otoe Counties	26 1845CST -1915CST Three quarte just west of	r inch hail		0 2 miles s	0 outhwe		Hail Union and	Areawide	line	s. Āma	ximum w	ind spe	ed of	83 n	ph was	lagge	Thunderstorm with High Wind overhead electric d at Newark
Nemaha County	26 1930CST Three quarte damage.		0 fell a		0 hnson	3 with		·	than the	i two hou	rs due e wind '	to the	storm sever	. Th e tha	e stor t tree	n exte	elayed for more nded 10 miles into were knocked
Dawson County	26 1930CST Eighty m.p.h Lexington.	. winds down		es and p		lines	Winds around fallen tree.	29 NEW MEXI	٠٥.			- Nous	DEDA	a TEN			
Adams County	26 2225CST One and a ha caused consi Two occupant injuries whe	lf inch hail derable tree s of a Civil	and p Defen	oower lin ise vehic	ie dama Ne suf	at 71 age in ffered	Hastings.	30 NEW YORK,				- NUNE	KEPÜ	KIED			
Nemaha County	28 1455CST One and a ha crop and pro	lf inch hail			4 around		Hail rn with some	Extreme SE, Nassau County, New York City and Westchester	A th		rm lash						Thunderstorm Island, causing a six-foot
Cass and Otoe Counties	28 1527CST One and a ha south into m damage.	1f inch hail		reported	from a	around			hole out stat also home	in an a radio co ion hous set off from wo	partmen mmunica e in th at the rk, whi	t build tions b e Bronx same s le pass	ing i y str . Po tatio ing a	n the iking lice- n how tree	Queen an an linked se. A on th	s. It tenna burgl nurse e way	briefly knocked on top of a ar alarms were , on her way to her car, was y the lightning
Johnson, Pawnee, Jefferson, and Gage Counties	28 1600CST -1700CST Thunderstorm caused crop damage was i	· s with hail and property	/ damag			stron			and The dela outa line	was repo torrenti yed for ges were were br	rted di al thun more th report iefly h	sorient derstor an two ed and, alted w	ed. m als hours duri hen a	Her 1 o cau at L ng th tree	egs we sed de a Guar e ston fell	re mom partin dia Ai m, ser across	entarily numb. g flights to be rport. Power vices on a BMT the tracks. The hours by
Richardson County		winds damag outhwest of ees. One an	Falls nd a ha	rm outbui City. A alf inch	ildings Uumerou hail d	s arou us rep damage	orts of wind d an estimated		in E wher 25 c	Brooklyn. I the fas	A not t-movin n some	eworthy g storm areas.	clim caus It a	atolo ed te 1so c	gical mperat aused	condit ures t an 8 d	ws printing plant ion occurred o plummet nearly egree drop in
Cheyenne County	30 1836CST Thunderstorm scattered da	ı winds guste	ed to 8	31 m.p.h.	. at Si	idney	Damaging Winds with	30 NEW YORK,	Cer	ntral							
		•						WASHINGTON COUNTY		PM .	war the	nact i	0	0	4 sebad t	4 ho Bat	Flood
26 NEVADA									its		ednesday	eveni:	ıg. I)amag	was π	inor w	ith one road being
Mineral County, Hawthorne	Sierra, 60 kts a	rinds develop producing wi t the Hawtho	ed in inds of orne ai	50 kts irport. 1	gustin	ng to	High Wind	FULTON, MONTGOMERY & SCHENECTADY COUNTIES	Cha							d ever	ing along the at from late May. Thunderstorm
Elko County, Elko	14 1515PST Strong t	Yerington an hunderstorms and gust at	0 moved	0 lacross	Elko C	County			are	reak thur a Wedneso e small t	lay nigh	it. Pov	eled t ver li	hroug Ines (th the	Montgo .ocked	mery/Fulton County down along with
Lander and Eureka Counties	during a	rver in Aust thunderstor this size we	m. Oth	orted 3/ mer unoff	4 inch	repor			wing up No: Sta	ds knocke to 60 yan site obse	d over ds. Pe rvation Herkin	a woods ersons : as were	shed, In the done.	upro area	ted tr repor econd	ees ar ted se funnel	0 p.m. EDT. The d dragged them eing a funnel. was reported in reported or site
Washoe County, Sparks	dropping reports	thunderstorm 0.60 inches of over an i Caused subs	in 20	l across) min. an ! rain in	d wnof	s fficia than	Flash Flood	EASTERN NEW YORK		eet flood al downpo		report	ed in	Sche			ty from heavy, Heat Wave
Clark County, Las Vegas and Lake Mead area	30 2118PST Strong t 59 mph a Lake Mea		ran ai estima	rport. W	low wi Winds i	inds o in the			a 7 old fin a 4	5-year ol boy drov d relief 2-year ol	ld woman med in from th d man d	i in Ams the Hud ne heat. Irowned	sterda Ison B In escap	m, Mo lver Saras	ntgome Sarat oga La rom th	ry Cou oga Co ke, Sa e heat	use of death of inty. An 8-year unty trying to ratoga County, . Hospitals in related injuries.
Lincoln County	ranging Pioche/E	hunderstorms from 1.5 to agle Valley closed due t	3.0 in areas,	ced rain ches in resultin	fall a	amount alient		SULLIVAN, DUTCHESS, ULSTER, ORANGE & PUTNAM COUNTIES	Ligi		ruck s						Thunderstorm
27 NEW HAM	DCUIDE -		n penni	DT DECET	VED				in als	Callicoon o struck	severa	blown or 1 homes	ver du in Du	ring	the th ss and	under: Putnar	9. Some trees, storm. Lightning a Counties.
2/ INEW HAM	ICSPIKE T	NC	U REPUI	ni necei	• ۲.0				at		r 50 արհ	and 3	/4 inc	ch ha	il. Po	or vis	ted winds estimated sibility during ents.
								ULSIER COUNTY	ŀ	1430ES		l damag	0 ed ord	0 chard	0 s and w	4 ineyar	Hail ds in Marlboro.

			JUNE 196
PLACE	TIME - LOCAL STANDARD STANDARD STANDARD CROPS WIDTH OF PATH (MILES) WO'OLE STANDARD CROPS WIDTH OF PATH (MILES) CROPS STANDARD	PLACE	TIME - LOCAL STANDARD LENGTH OF PATH (MILES) WIDTH OF PATH (TARDS) WIDTH OF PATH (TARDS) CROPS RILLED CROPS
NEW YO	RK, Central	NEW YOR	K, Western
CORTLAND, ONIEDA & HERKIMER COUNTIES	18 1645EST 0 0 5 0 Thunderstorm Thunderstorms accompanied by gust winds and lightning hit East Central New York. At 7:00 p.m. wind gusts of 61 mph were recorded at Onieda County Airport. Winds were strong enough to blow an iron cross off a church steeple and crashed into the ground 150 feet below.		Only a small portion of the usual, annual corn seed was planted on time. Beans, which are usually planted in overlapping times to provide steady supply to food processors, are predicted to be in short supply. They could not be planted at the scheduled time.
	Around 6:00 p.m. EDT trees and power lines were blown down in parts of Onieda County. Lightning was listed as the cause of fires in	31 NORTH CAR	ROLINA
	or Onleda County. Lightning was listed as the cause of tires in a church in Onleda County and also a barn in Cortland County. In Oriskany, Onleda County, two men were struck by lightning while working on a stalled car.	Lenoir Caldwell County	04 1730EST
	Heavy rains, over 2 inches in 45 minutes, caused extensive street flooding and popped manhole covers 4-5 feet into the air.		Trees were uprooted and blown onto houses, storage sheds, vehicle and several roofs damaged. Power lines were downed and 4-hour outages resulted.
!		Mt. Airy Surry County	06 1800EST 0 0 4 0 Thunderstorm Winds
30 NEW YORK,	Western	Surry county	A severe thunderstorm swept through Mt. Airy downing trees and damaging homes. Approximately 700-800 homes were without power when trees fell on a substation.
Chemung County	09 Evening 3 - Lightning A lightning bolt ignited a house, charred its electrical circuits, and burned a television set along with other appliances.	Brown Mountain Stokes County	11 1230- 0 0 4 5 Thunderstorm 1330EST Winds, Hail A thunderstorm uprooted trees and tore roofs off several barns in the community. About 15 acres of tobacco were ruined by the wind and marble size hail, as well as numerous garden crops.
Westfield, Chautauqua County; Cicero, Onondaga; & Rochester	13-14 - 4 - Wind, Lightning & Rain Strong winds tore a barn's roof in Westfield, Chautauqua County.	Cedar Mountain Transylvania County	14 1300EST 0 0 5 0 Lightning
Monroe County	In the City of Rochester, heavy rains soaked underground electric lines. There was a power blackout to hundreds of homes for up to 12 hours.		Fire started by lightning burned a doublewide mobile home and contents.
ŀ	In Cicero, Onondaga County, a lightning bolt set a house on fire. The house sustained substantial losses.	Mayodan-Eden Areas, Rockingham County	1450- 0 0 4 ? Thunderstorm Minds A severe thunderstorm moved through the towns of Mayodan and Ede blowing trees down onto automobiles. Some small hail was also
Parts of Allegany, Chautauqua, Cattarau-	18-19 - 6 - Rain & Wind		reported.
gus, Steuben, Erie County, Wayne, Oswego and other Western New York Counties.	Numerous showers and thunderstorms produced up to 5 inches of rain. Small streams spilled their banks. Approaches to about a dozen bridges in Chautauqua and Allegany County were washed out.	Craven County Carteret County	15 1500- 1555EST
	In Angelica, Allegany County, town firemen spent more than a day pumping out water from basements. Segments of Routes 2 and 11 between Angelica and Almond were inundated and closed to traffic. In the township of Hartsville, Steuben County, basements and	North Wilkesboro Wilkes County	15 1640EST 0 0 5 0 Lightning A home and contents were destroyed by fire caused by lighting strike.
	roads were also flooded. Reports of basement and road flooding were also received from	Jacksonville Onslow County	15 1650EST 0 0 ? ? Hail
	Southern Erie and Chautauqua County. In the town of Savannah, Wayne County, strong winds stripped the		Hail up to 1 3/4 inches fell in south Jacksonville along Highway 17.
	roof of the U.S. Post Office. A piece of wood was blown into the windshield of a car. A car's door was torn off and flung 10 yards away. A fallen, large tree squashed the facade of a house.	Teachey Duplin County	15 1800EST 0 0 ? 5 Hail Hail of unknown size caused extensive damage to crops.
	The villages of West Monroe and Constantia, in Oswego County, were ravaged by the strong winds. Numerous tall trees were downed.	East Laurinburg	15 1800EST 0 0 4 0 Thunderstorm
	About a dozen homes sustained light to moderate damages. Large outflow from Warner Dam at the outlet of Chautauqua Lake joined with Cassadaga Creek floodwaters to inundate backyards	Scotland County	A mobile home was blown off its foundation, numerous trees were blown down, cotton trailers were blown over and some roofs were blown off outbuildings.
	and basements of a number of homes in Levant, Chautauqua County.	Lake Norman	16 1400EST 0 1 0 0 Lightning
	A few light structures in Randolph, Cattaraugus County, were damaged by the strong wind. The roof of a barn was peeled off, A large silo was shattered to small pieces. The debris was strewn		A fisherman was struck and injured by lightning while in a boat. Another person in the boat was not injured.
1	over an area 1/4 mile away. Power outages occurred at many locations in Western and Central New York.	Bethlehem Alexander County	17 1430EST 0 0 5 0 Lightning A furniture factory was destroyed by fire when lightning struck. The building was valued at \$50,000 and its contents \$30,000.
Parts of Erie County	23-' - 4 - Rain 24	Oriental	19 1900EST 0 0 5 0 Lightning
	Heavy rainfall produced up to 3 inches of rain. Many basements and streets in West Seneca, Lackawanna, and other Southern Erie	Pamlico County	A home was destroyed by fire after being struck by lightning.
Parts of Steuben	County towns were flooded. 29 Evening 5 - Rain & Wind	Wilmington Near Hanover County	A couple died when their house burned after being struck by
County	Strong winds toppled a silo in Troupsburg. Electric lines were severed by fallen trees in the villages of Addison and Cameron. In Lindley, a house was swept 30 feet away from its	3 1/2 Miles North of Benson, Johnson	1ightning. 20
	foundation by floodwaters. Some flooding was also observed at Presho.	County	A pavilion at Scott Lake was destroyed by a downburst. 20 1400EST 1/4 100 0 0 5 ? Tornado (FO)
Many parts of Westerr and Central New York	June and May 70 C Rain Rainfall in Western and Central New York in May and June had been well above normal. Some sites got more than twice the normal	Just South of Brevard, Transylvani County	
•	monthly rainfall. The excessive rainfall caused the fields to be soggy and unwork-	Cary	20 1430EST
	able. Crops that were planted in early spring, such as onion and winter wheat, rotted in the ground.	Wake County	Lightning struck one house and four condominiums in Cary. Damas to the house was over \$50,000.

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PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF PATH	WIDTH OF PATH		RYONED		AMAGE	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH	WIDTH OF PATH	PERSO		PROPERTY OF		CHARACTER OF STORM
NORTH	CAROLINA	1,	<u> </u>	. 4.	<u> </u>			<u> </u>	NORTH	1			1		1			
Carvers Creek Bladen County	20 1600EST High winds an fields, damag a tobacco bar	ed som	of ur e corr	0 nknown n field	0 size ds, b1	4 dest ew d	4 royed s own tre	Thunderstorm Winds, Hail everal tobacco es and destroyed	Trotters 2S (Golden Valley Count	Hai	1435CST 1 3/4 inc 1455CST	h in d	iameter	0 occurr	O red.	Q No d	Q amage	Hail was reported. Funnel
Charlotte Mecklenburg County	20 1700EST Three-quarter	nch	hail w	was obs	served	0 1.	0	Hail	(Golden Valley Count Fairfield 7W (Billings County)	15	Afternoo			0	Q	5	â.	Lightning
Between Lumberton and Fairmont, Robeson County	20 1740EST Thunderstorm customers wit	winds thout p	downed ower 1	0 d trees for two	0 s and o hour	3 powe	0 r lines	Thunderstorm Winds leaving 600	Sentinel Butte (Golden Valley Count	15 y)	ire, star 1500CST 1 3/4 inc			0	0	Q	4	tank batteries
Raleigh Wake County	28 1535EST A construction struck a tree	on work e besid	er und	l der a l house	0 house	0 was	0 killed	Lightning when lightning	Medora (Billings County)	Gol	1640CST fball-siz	ed hail	l occuri					
Dudley Wayne County	28 PM A 26 year old telephone and	i woman i peeli	was l	l killed tatoes	0 by li at th	0 ightn ie ki	0 ing whi tchen s	Lightning le talking on the ink.	Fryburg (Billings County)	Egg	1740CST -sized ha 1940CST	il brok	ke windo	0 ws. 0	0	3	Q Q	Hail Thunderstorm
Ashe County	tobacco crops	s of at	: leas	t 35 fa	armers	s, P	otato :	Hail unty, destroying crops and gardens Grassy Creek	(Dunn County) Halliday 6W (Dunn County)	rep	ong thund orted. 2015CST	erstor	m winds	of up	to 7	Omph. (occurr	ed. No damage Funnel
Center Roans Area Bladen County	29 1100- 1900EST Up to nine in	nches c	if rail	0 n ruin		0 1eas	? t ten	Rain acres of tobacco.	Beach 5E (Golden Valley Count		1855CST 1 up to 3		h. în dia	Q ameter	0 dama	Q. ged c	4 rops.	Hail
NODTH	VOTA								Dickinson 20S (Stark County) Dunn Center 8S	18	1935CST 1953CST							Funnel Funnel
32 NORTH DA	Q4 163QCST							Funnel	(Dunn County) Hebron (Morton County)	18	2130CST			0	0	3	Q	Lightning
(Richland County) Olfax 3W (Richland County)	Q4 1708CST							Funnel	Mott 135		ire, star 2150CST		1 i ghtn	ng, da O	amage O	dah Ol	ouse,	Thunderstorm
Tlendale (Dickey County)	04 1835CST Strong thunde	erstorm	winds	0 s damag	Q ged th	4 1e ro	0 of of a	Thunderstorm Winds	(Hettinger County) Bowman 10S	rep	ong thund orted. 1910CST				to 6	Omph. o		ed. No damage
aMoure (LaMoure County)	04 1850CST	le barn	, and	uproof 0	ted tr O.	ees. 4	0	Thunderstorm Winds a utility building.	(Bowman County)	A t	ornado bl es.				ouse		0 nocked	Tornado F(1) down 19 power
argo 5SW (Cass County)	07 1445CST						-,, 0,	Funnels (2)	Cartwright (McKenzie County)	1	Evening ire, star	ted by	lightni	0 ng, de	0 :s tro	5 yed a	O REC si	Lightning ubstation.
arson ISE (Grant County)	07 1530CST A tornado tou				0. in a	Q field	0. d. No	Tornado (FO) damage reported.	Maxbass (Bottineau County)	A f	Evening ire, starr rage tank	ted by	lightni Lpump h	0 ng, bu ose.	Q rned	4 a ste	0 el tai	Lightning nk, a fiberglas
inot AFB 10SW (Ward County)	07 1631CST							Funnels (2)	Minot (Ward County)	22	Q155CST							Funne1
urlington 3W (Ward County)	07 1637CST A tornado tou				Q . No	0. dama	Q ge repo	Tornado (FO) orted.	Medina (Stutsman County)	22 Stre	Q545CST ong thunde	erstorn	ı winds	0 of 60m	a ph. o	Q ccurre	Q ed, No	Thunderstorm
essenden (Wells County)	07 1727CST							Funnel	Gackle 7S (Logan County)	22	Morning			0.	Q	3	Q	Lightning
mberg 1W Wells County)	07 1759CST A tornado tou				0 in a	0 fiel	2 d. No	Tornado (FO) damage reported.	Montpelier (Stutsman County)	l	0625CST	ruck ai	n old cl	urcfi. a O.	and b	lew o		ide wall. Thunderstorm
Henry Foster County)	07 1805CST Hail one inch	in di	ameter	O r. No	0 damag	0 le re	0 ported.	Hail		ove	r a sem+	erstor: trailer	n winds				e tree	damage and ro
enfield Foster County)	07 1908CST							Funnel	Jamestown (Stutsman County)	22 Str		erstorn Small	n winds	Q of 81m and t	Q ph.u	5 proote	0 ed tre	Thunderstorm
each 30N (Golden Valley Coun	11 1720CST (v)							Funnel	Marion (LaMoure County)	22	0638CST			0.	Q	0.	Q	Thunders torm
edora 22N (Billings County <u>)</u>	11 1800CST A tornado to			0 onto a	Q fence	3 e lin	0. ne.	Tornado (F1)	Fingal	repo	ong thunde orted. 0730CST	erstorm	ı winds	of 50 n	to 60	Ompho c	occurre 5	ed, No damage
edora 10N (Billings County)	11 18QQCST Hail up to 2			O	. a	3	Q	Hail	(Barnes County)	Hail		e inch amaged	in dia trees	meter o	damag ew ov	ged cr ver an	000 116	Hail, Thunder Winds ile strong thu arn,
rand Forks (Grand Forks County)		h to bá	ıs eba 1	0 1 size	0 d occi	0 urred	0 1. No	Hail Hamage was reported.	Lidgerwood (Richland County)	22 Stro		rstorm	winds		θ ph. oc	0. curre	() d. No	Thunderstorm damage report
	1				-				1	•								

PLACE	TTME - LOCAL STANDARD LENGTH OF PATH (VARES) WIDTH OF PATH (VARES) WIDTH OF PATH (VARES) WIDTH OF PATH (VARES) RILLED ROPERTY CROPS	PLACE	TIME - LOCAL STANDARD LENGTH OF PATH (VARCS) (WILED ANDTH OF PATH (VARCS) WIDTH OF PATH (VARCS) WIDTH OF PATH (VARCS) CROPS CR
NORTH	DAKOTA	—— оніо	
Westhope 7NW (Bottineau County)	22' 1440CST Short 20 0 0 4 0 Tornado (F1) A tornado destroyed two barns and a quonset hut, and snapped off a number of poles.	Champaign County	13 1950EST 0 0 4 0 High Wind Thunderstorms did minor structual damage in several areas in the county. Some trees and utility lines were downed.
Hettinger (Adams County)	25 1447CST Q Q 0 0 Hail Golfball-sized hail occurred. No damage was reported.	Logan County	13 2003EST 0 0 5 0 High Wind Thunderstorm winds damaged buildings and downed trees in Bellefontaine.
Taylor (Stark County)	25 1520CST Q Q Q Thunderstorm Winds Strong thunderstorm winds of 66mph occurred. No damage reported.	Delaware County	13 2030EST 0 0 5 0 High Wind Thunderstorm winds of 50 to 70 MPH damaged homes in the south part of the county.
McHenry (Foster County)	25 1842CST Q Q O Q Hail Hail up to 3/4 inch occurred. No damage reported.	Marion County	13 2030EST 0 0 4 0 High Wind Lightning
Cooperstown 5SE (Griggs County) Cooperstown (Griggs County)	25 1920CST Short 5-15 0 Q Q 0 Tornado (FO) A tornado touched down briefly. No damage reported. 25 1950CST 0 Q Q 3 Hail Golfball-sized hail damaged crops.	Cuyahoga County	Winds from a thunderstorm downed trees and utility poles. Several lightning strikes started minor fires. 18 1526EST 0 4 5 0 High Wind A thunderstorm downed trees and did structural damage in the northeast quarter of the county. Winds of 60 MPH were recorded at the Lakefront Airport. Pieces of metal were blown off a large construction project. The flying debris injured four workmen in downtown Cleveland.
Selfridge (Sioux County)	27 1858CST 0 0 0 0 Hail Golfball-sized hail occurred. No damage was reported.	Wood County	18 1533EST 0 2 0 0 Lightning Lightning struck and injured two golfers in Perrysburg.
33 OHIO	· i	Montgomery County	18 1542EST 0 0 4 0 High Wind A thunderstorm with winds to 60 MPH passed over the Dayton
Łake County	05, 1500EST 1 0 0 0 Lightning A 77 year old man was struck and killed by lightning while working in his garden at his home in Willoughby.	Clark County	Airport and did minor damage in the county. 18 1555EST 0 0 4 0 High Wind
Portage County	05: 1900EST 0 0 4 0 High Wind Thunderstorm winds downed trees and utility lines in the Ravenna area. Structural damage was minor.	Geauga County	Sixty MPH winds downed trees and utility poles in the Springfield area. 18 1610EST 0 0 4 0 High Wind Thunderstorm winds downed trees and utility lines in Newberry
Holmes County	05: 1915EST 0 0 5 0 High Wind A thunderstorm produced 65 MPH winds 5 miles northeast of Millersburg. Trees and lines were downed and farm buildings damaged.	Madison County	Township. 18 1640EST 0 0 4 0 High Wind A thunderstorm moved across the northern part of the county and
Stark County	05 2000EST 0 0 4 0 High Wind Thunderstorm winds downed trees and utility lines and caused minor structural damage in Wilmot.	Trumbull County	did minor structural damage in Plain City. 18 1640EST 1 10 6 0 High Wind A thunderstorm downburst produced 90 MPH winds just south of the
Lake County	06 1620EST 0 4 0 0 Lightning Lightning struck and injured four golfers while standing beneath a 40 foot tree during a thunderstorm.		Youngstown Airport. Winds at the airport were as high as 58 MPH. The winds did severe damage to a Days Inn Motel in Liberty Township. An 8 year old girl died of a fractured skull and ten others were injured. Other structural damage occurred in the county and trees and utility lines were downed.
Lake County	06 1630EST 0 1 0 0 Lightning A 14 year old boy was struck by lightning as he walked across his backyard in Kirtland.	Franklin County	18 1654EST 1 2 5 0 High Wind Thunderstorm winds caused structural damage in the northern part of the county. A concrete wall at a construction site was
Geauga County	06 1705EST 0 0 4 0 High Wind A severe thunderstorm moved across the northern half of the county with 60 MPH winds downing trees and utility lines. Some minor roof damage also occurred.		blown over on three workmen. One worker was killed and the other two injured. Trees and utility lines were downed along Interstate 270.
Montgomery County	13 1400EST 0 0 4 0 High Wind Thunderstorm winds blew the roof off a dentist's office in Brookville and overturned several tractor trailer trucks on Interstate 70.	Mahoning County	18 1655EST 0 0 4 0 High Wind Thunderstorm winds downed trees in many areas of the county.
Henry County	13 1730EST 1 0 0 Lightning Lightning struck and killed a man riding on a tractor in a field near Hamler.	Franklin County	18 1700EST 0 1 0 0 Lightning Lightning struck and injured a worker at OSU airport as he
Mercer County	13 1830EST 0 0 4 0 High Wind Thunderstorm winds blew down trees and did minor structural damage in Celina.	Carroll County	was tying down a plane during a thunderstorm. 18 1730EST 0 0 4 0 High Wind Trees and utility poles were snapped off by strong thunderstorm
Lorain County	13 1910EST 0 0 4 0 High Wind Thunderstorm winds as high as 70 MPH were recorded at Lorain County Airport. Some trees and utility lines were downed in Elyria.	Hamilton County	winds. 18 1752EST 0 0 4 0 High Wind A thunderstorm produced 70 MPH winds as it passed over Cincinnati
Union County	13 1930EST- 2000EST 0 0 5 0 High Wind A thunderstorm produced damaging winds in Marysville. Farm buildings were damaged and trees and utility poles snapped off.	Tuscarawas County	Lunken Airport. Some trees were blown down in the Cincinnati area. 18 1803EST 0 0 4 0 High Wind
Cuyahoga County	13 1935EST 0 0 5 0 High Wind Lightning A thunderstorm moved through the east side of Cleveland and the eastern suburbs producing damaging winds. Trees and lines were downed. Severallightning strikes started fires.	Pickaway County	Trees were blown down and building damaged by a thunderstorm which passed through Urichville. 18 1810EST 0 0 4 0 High Wind A thunderstorm downed trees and utility lines south of Circleville.

		JUNE 1
PLACE	DATE TIME - LOCAL STANDARD STANDARD CROPS RILLED RILLED RICLE CROPS RILLED CROPS R	PACE PAGE PLOCAL STANDARD STANDARD CROWS WIDTH OF PATH (MILES) STANDARD CHRESCH (MILES) STANDARD CHRESCH (MILES) CHRESCH (MILES) CHRESCH (MILES) STANDARD CHRESCH CHRESCH (MILES) STANDARD CHRESCH CHRESCH
—— оніо		OKLAHOMA
Fayette County	18 1813EST 0 0 4 0 High Mind Thunderstorm winds damaged a hardware store and blew a roof off a garage in New Holland. Trees and utility lines were also	Lawton, O5 1659CST O O ? 7 Wind Commanche County Strong winds downed power lines east of Lawton.
Muskingum County	downed. 18 1827EST 0 0 4 0 High Wind Winds higher than 70 MPH were recorded as a thunderstorm crossed Zanesville Airport. Trees and utility lines were downed.	Tuttle, 05 1715CST 0 0 ? ? Wind Grady County Winds up to 60 mph occurred 5 wiles east of Tuttle.
Ross County	18 1840EST 0 0 4 0 High Wind Thunderstorm winds blew down trees and utility lines in Greenfield.	Oluskee, 05 1915CST 0 0 3 ? Lightning Lightning struck a home 4 miles west of Oluskee causing \$2,000 damage.
Montgomery County	20 1245EST 1 40 0 0 4 0 Tornado (F1) A mini-tornado touched down at U.S. Route 40 and Arlington Road west of the Dayton Airport. The storm did minor damage to a farm	Altus, 05 1929CST 0 0 5 0 Lightning Lightning struck a home causing it to burn six miles northeast of Altus, Damage was estimated at \$150,000.
Montgomery County	complex and was viewed by several people. 20 1330EST 1 0 0 0 Lightning A retired military officer was struck and killed by lightning while golfing at Wright-Patterson golf course.	Norman, OS 2045CST O O ? ? Hail Cleveland County 3/4 inch size hail fell.
Hardin County	20 1358EST 0 0 3 ⁰ C Hail Golf ball sized hail fell 2 miles west of Kenton. The storm damaged crops in the area.	Seminole, Seminole County Lightning struck an oil battery. Fire destroyed 8 tanks. Damage estimated at \$100,000.
Logan County	23 1430EST 0 0 5 0 High Winds Thunderstorm winds destroyed a mobile home 6 miles north of Bellefontaine. Other building in the area were also damaged.	Owasso, 06 0305CST 0 0 5 ? Lightning Tulsa County Lightning struck a home causing it to burn. Damage was \$81,000.
Tuscarawas County	29 1610EST 0 0 3 ⁰ C Hail Hail 3/4 inch in diameter fell in Newcomerstown. The hail did minor crop damage.	Cherokee, 08 1605CST 0 0 ? ? Hail Golfball size hail fell.
34 OKLAHOMA	.	Sharon, 08 1630CST 0 0 ? ? Hail/Wind Woodward County 3/4 inch size hail fell and strong winds downed trees 3 miles southeast of Sharon.
Oklahoma City, Oklahoma County	04 1600CST 0 0 ? ? Wind Strong winds uprooted several trees and damaged a barn in Northeastern Oklahoma City,	Burlington, 08 1630CST 0 0 ? ? Hail Alfalfa County Two inch size hail fell lk miles west of Burlington.
Paoli, Garviu Coumity	04 1650CST 0 0 ? ? Hail/Wind 3/4 inch hail and winds up to 60 mph occurred.	Alva, OS 1700CST O O ? ? Hail Woods County Golfball size hail fell 8 wiles NW of Alva.
Walters, Cotton County	04 1920CST 0 0 ? ? Wind Strongs winds caused 7 power poles to be blown down just south of Walters.	Hanchester, 08 1715CST 0 0 ? ? Hail Golfball size hail fell.
Marlow, Stephens County	04 Evening 0 0 3 ? Lightning Lightning struck s church causing \$2,000 damage.	Byron, 08 1715CST 0 0 ? ? Hail Tennis ball size hail fell,
Claremore, Rogers County	05 0930CST 0 0 3 ? Lightning Lightning struck a home causing \$1,000 damage.	Burlington, 08 1800CST Short Narrow 0 0 4 ? Tornado (F1) A tornado touched down briefly destroying a barn and several outbuildings } mile west and 1½ miles south of Burlington. Damage estimated at \$14,000.
Cache, Comanche County Lawton,	Golfball size hail fell 3 miles east of Cache.	Wakita, 08 1805CST Short Narrow 0 0 0 Tornado (FO) Grant County A tornado touched down 3 miles east of Wakita causing no damage.
Communiche County	Winds up to 70 mph overturned a trailer and picked up gravel and blew them breaking out windshields on 14 autos. Damage estimated at \$15,000. One inch size hail also fell.	Hennessey, 09 1616CST 0 0 ? ? Hail Kingfisher County 3/4 inch size hail fell.
Fort Cobb, Caddo County	05 1645CST 0 0 ? ? Wind Winds 50 to 60 mph were reported near Fort Cobb.	El Reno, Canadian County Winds of 69 mph occurred,
	05 1648CST 0 0 ? ? Heil	El Reno, Canadian County Winds of 50 to 60 mph occurred across southern Canadian County just south of El Reno.
Anadarko, Caddo County	3/4 inch size hail fell.	

		•	JUNE 19
	NO. OF ESTIMATED DAMAGE		NO. OF ESTIMATED! DAMAGE
PLACE	TIME - LOCAI STANDARD LENGTH OF PATH (YARDS) WIDTH OF PATH (YARDS) CROPS	PLACE	STANKE - LOCAL STANKE
OKLA	HOMA	OKLA	нома
Tukon, Canadian County	09 1935CST 0 0 4 ? Lightning	Morris, Okmulges County	18 1700CST Short Narrow 0 0 4 ? Tornado (F1)
	Lightning struck an oil tank battery near Yukon causing it to burn. Damage was estimated at \$20,000.		A tornado destroyed a barn and damaged other buildings 1½ miles north of Morris. Damage estimated at \$20,000.
Anadarko, Caddo County	09 2015CST 0 0 ? ? Hail Golfball size hail fell 5 miles southwest of Anadarko.	Oklahoma City, Oklahoma County	18 1730CST 0 0 ? ? Hail Hail the size of nickles fell.
Meers, Commanche County	09 2112CST 0 0 ? ? Bail 3/4 inch size hail fell.	Union City, Canadian County	18 1803CST 0 0 ? ? Hail 3/4 inch size hail fell five miles morth of Union City.
Lewton, Commanche County	09 2131CST 0 0 ? ? Hail Golfball size hail fell near Lake Latonka, 5 miles north of Lawton.	Dibble, McClain County	19 1414CST 0 0 ? ? Hail Golfbell size hail fell.
Freedom, Woods County	10 1655CST 0 0 ? ? Hail Ping-pong ball size hail fell.	Washington, McClain County	19 1427 CST 0 0 ? 7 Hail One to lk inch size hail fell.
Sharon, Woodward County	10 1743CST 0 0 ? ? Hail Golfball size hail fell 3 miles south of Sharon.	Crescent, Logan County	19 1630CST 0 0 ? ? Wind Strong winds took the roof off of a convenience store and downed tree limbs and power lines.
Vici, Dewey County	10 1745CST 0 0 7 7 Hail 3/4 inch eize hail fell.	Crescent, Logan County	20 1300CST 0 0 3 ? Wind Strong winds uprocted several trees and downed power lines. Roofs of 3 homes were also damaged. Damage esti- mated at \$5,000. Heavy rain at the same time caused
Vici, Dewey County	10 1805CST 0 0 7 7 Wind/Hail 60 mph winds and marble size hail occurred.	El Reno, Canadian County	street flooding which washing 2 cars off the road. 20 1700CST 0 0 ? ? Wind
Mutual, Woodward County	10 1810CST 0 0 ? 7 Wind/Hail Golfball size hail and 70 mph winds occurred 4 miles southeast of Mutual.	Chelsea, Rogers County	Winds up to 60 mph occurred. 20 1858 CST 0 0 ? ? Wind/Hail
Lavern, Harper County	10 2100CST 0 0 ? ? Wind 50 to 60 mph winds occurred downing tree limbs and power lines.	Carnegie,	80 mph winds and large hail were reported. No estimate of damage. 23 1330CST 0 0 ? ? Hail
Elk City, Beckham County	10 2100- 0 0 ? ? Flash Flooding 2300CST	Caddo County	Goifball size hail fell 8 miles east of Carnegie.
-	Three to four inches of rain caused flooding of streets and washed out two bridges near Elk City.	Eakly, Caddo County	23 1400CST 0 0 4 ? Wind Strong winds destroyed a mobile home 6 miles south of Eakly. Damage estimated at \$10,000.
Beaver, Beaver County	10 2130CST 0 0 ? ? Wind	Gotebo, Kiowa County	23 1415CST 0 0 ? ? Hail Golfball size hail fell 4 miles east of Gotebo.
Sayre, Beckham County	70 mph winds occurred. 10: 2135CST 0 0 7 ? Wind 60 mph winds occurred.	Hollis, Harman County	23 1420CST 0 0 5 7 Wind 70 to 80 mph winds took parts of roofs off of 3 buildings, uprooted several trees and downed tree limbs and power lines. Damage is estimated at \$50,000.
Sayre, Beckham County	10 2212CST 0 0 ? ? Hail Hail near golfball size fell.	Canute, Washita County Okarche,	23 1608CST
Clinton, Custer County	10 2230CST 0 0 ? ? Wind 70 mph winds downed tree limbs and power lines.	Kingfisher County Okarche,	70 mph winds occurred.
Harmon, Bllis County	13 1815CST 0 0 ? ? Hail/wind Golfball size hail fell and strong winds broke off a 2 foot dimmeter tree 17 miles south of Harmon.	Kingfisher County Tulsa,	3/4 inch size hail fell just southeast of Okarche. 23 1715CST 0 0 ? ? Wind
Elgin, Comanche County	18 1530CST 0 0 4 7 Wind Strong winds overturned a mobile home which lamded out top of a pickup. Damage estimated at \$15,000.	Tulsa County	70 mph winds occurred between Tulsa and Sand Springs downing tree limbs and power lines. 23 1730CST 0 0 ? ? Wind/Hail
Duke, Jackson County	18 1645CST 0 0 4 ? Wind Winds of 70 to 80 mph destroyed a mobile home and took	Canadian County	70 mph winds occurred and hail the size of nickles fell.
	the roof off of a grain elevator. Many storage sheds were destroyed along with tree limbs and power lines being downed, Damage was estimated at \$20,000.	Okarche, Kingfisher County	23 1730- 0 0 ? ? Flash/Flooding 1940CST 4 to 5 inches of rain caused flooding in Okarche as well as Little Johns Creek. No estimate of damage was estimated.

		JUNE 1
	NO. OF ESTIMATED DAMAGE	NO. OF ESTIMATED PERSONS DAMAGE
PLACE	TIME - LOCAL STANDARD STANDARD STANDARD OF PATH (MILES) WIDTH OF PATH (YARDS) CROPS	DATE STANDARD STANDARD STANDARD (WILED WIDTH OF PATH (WILED WIDTH OF PATH (WALED AND STANDARD CHARACTER OF CHARACT
OKLA	AHOMA	OKLAHOMA
Norman.	23 1850CST 0 0 ? ? Wind	Cushing, 28 2335CST 0 0 ? ? Wind
Cleveland County	Winds clocked up to 75 mph uprooted several trees,	Payne County 60 mph winds downed trees and power lines.
Noble, Cleveland County	23 1900CST 0 0 ? ? Wind	Okmulgee, 28 2335CST 0 0 ? ? Wind Okmulgee County
	Strong winds up to 70 mph broke off 10-inch diameter limbs.	Strong winds downed large tree limbs and power lines.
Purcell, McClain County	23 1900CST 0 0 ? ? Wind	Bristow, 28 2340CST 0 0 ? ? Wind
acotata councy	60 mph winds occurred.	Strong winds broke off large tree limbs and downed power lines.
Wynnewood, Garvin County	23 1940CST 0 0 4 ? Wind/Hail	Stroud, Lincoln County 28 2355CST 0 0 ? ? Hail
oalvin county	60 to 70 mph winds damaged several roofs and uprooted many trees and downed power lines. Damage estimated at \$15,000. Hail the size of nickles also fell.	3/4 inch size hell fell.
Sulphur,	23 2015CST 0 0 ? ? Hail	Okemah, 29 0005CST 0 0 ? ? Wind
Murray County	3/4 inch size hail fell.	Strong winds downed tree limbs and power lines. Many signs were also blown down.
Kingston, Marshall County	23 2015CST 0 0 ? ? Hail	McAlester, 29 0055CST 0 0 ? ? Wind Pittsburg County
,	3/4 inch size hail fell.	Strong winds uprooted several trees and downed many large tree limbs.
Kingston, Marshall County	23 2100CST 0 0 4 ? Wind	Wiley Post Airport, 29 0103CST 0 0 5 ? Wind Oklahoma County
•	Strong winds took the roof off of the city hall and a portion of the fire station. Damage was estimated at \$25,000.	75 mph winds damaged roofs of 2 hangers and overturned one sircraft. Damages estimated at \$80,000.
Oklahoma City, Oklahoma County	26 0600CST 0 0 5 ? Lightning Lightning struck a house causing it to burn. Damage set at \$110,000.	Oklahoms City, Oklahoms County Oklahoms County Oklahoms County Oklahoms County Oklahoms County Oklahoms City, O
Seminole,	26 0745CST 0 0 5 ? Lightning	Oklahoma City. Moore. 29 0135CST 0 0 5 ? Wind
Seminole County	Lightning caused a home to burn 4 miles east of Seminole. Damage was estimated at \$50,000.	Cleveland County Strong winds destroyed a mobile home, took part of the roof off of a Moore school, and downed many power lines. Damage
Ponca City,	27 1426CST 0 0 ? ? Heil	estimated at \$50,000. Norman. 29 0145CST 0 0 ? ? Wind
Kay County	Golfball size hail fell.	Norman, 29 0145CST 0 0 ? ? Wind Cleveland County 70 mph winds occurred in northwest Norman.
Ponca City,	27 1435CST 0 0 4 ? Lightning	Norman, 29 0210CST 0 0 ? ? Wind
Kay County	Lightning caused a hay barn to burn. Damage was \$30,000.	Cleveland County 65 mph winds occurred in southwest Norman.
Crescent,	27 1605CST 0 0 ? ? Hail	Byars, 29 0210CST 0 0 ? ? Wind
Logan County	3/4 inch size hail fell. Two inches of rain falling in an hour caused street flooding.	McClain County 60 to 70 mph winds occurred.
Cashion,	27 1610CST 0 0 ? ? Hail	Yale, 29 0330CST 0 0 ? ? Wind
Kingfisher County	Hail the size of nickles fell 2 miles west of Cashion.	Payne County Strong winds blew down several large trees and power lines.
Stillwater,	27 1610CST 0 0 ? ? Hail	
Payne County	3/4 inch size hail fell 5 miles north of Stillwater.	35 OREGON
Blackwell, Kay County	28 2104CST 0 0 4 ? Wind	Marion County 7
my county	Strong winds downed trees, power lines and rolled a mobile home over. Damage estimated at \$12,000.	Four large storms during the first week of June caused water to spill over the already swollen flood control dams. High water washed away newly planted crops from low-lying farms. Irrigatic
Pawhuska, Osage County	28 2130CST 0 0 ? ? Wind	pumps were swamped. Chemical fertilizers were leached from the soil. High rainfall amounts kept the Willamette River two times
,	Strong winds downed trees and power lines knocking out power across the city.	higher than normal this Spring. Morrow & Union 13 0 0 4 4 Thunderstorms
Tulsa, Tulsa County	28 2205CST 0 0 ? Wind Winds over 60 mph downed large tree limbs and power lines	Counties Thunderstorms were accompanied by hail and heavy rain showers. Water nearly washed away a portion of highway in Hardmen and inundated one home, causing evacuation.
Ponca City,	causing power outages across the city. 28 2206CST 0 0 ? ? Wind/Hail	High water from thundershowers also forced closure of the Hot Lake North Bridge crossing Catherine Creek.
Kay County	3/4 inch size hail fell and strong winds downed trees and power lines and destroyed a hay barn.	Showers also caused crop damage. Union County 20 1030PST 0 0 2 0 Lightning
Marland,	28 2210CST 0 0 ? Wind	A lightning bolt struck a power pole, shutting down the local LaGrande newspaper.
Noble County	Strong winds downed tree limbs and power lines and destroyed several out-buildings.	
Tulsa, Tulsa County	28 2330CST 0 0 5 ? Lightning Lightning caused a house to burn causing \$75,000 damages.	
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PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF PATI (MILES) WIDTH OF PATH (YARDS)	KILLED	INJURED	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	XILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
36 PENNSYLVA	ANIA, Easi	tern					PENNSY	LVA	NIA, E	aste	rn					[
York, Lancaster, Northumberland and Montour Counties	06 1530ES? Thunderstor: gusty winds falling tree mobiles and	ns brought and lightn es damaged brought do	ing s house wn ut	trikes. s and a ility l	ith The uto- ines.	Lightning, Wind	Franklin and Lancaster Counties	Thu pro tri tom	1600EST to 2200EST nderstor duced li cal serv ers and ikes cau	ms mo ghtni ice t destr sed f	ng tha o seve oyed t ires w	t di ral wo b hich	s the	ted el sand Ligh troye	ec- cus- tning d the	•
	Thousands or rupted. Listroyed a bi- coops, killind damage was in of York Counting Lancaster Counting Montour Counting	ghtning cau arn and als ng 6800 chi mostly in t nty, the so ounty and t nty; but sc	sed for some ckens he so uthwe he so	ires the chick . The uthern st part uthern	at de- en storm half of part o		Lehigh County	24 25	nklin Cou in Peque 2330EST 0130EST	ea Tov	nship,	, Lar O	0	ter C	ounty O	Flash flooding Heavy Rain
Eastern Penna.	06 1200 ES 14 1500 ES High temper and 90s thr the 90s on thru 11th), sulted in 4 available f ment. The	atures reac ough this p five consec The heat deaths and or those th	eriod utive and h no n at ne quit	and redays (umidity umbers eded treafework)	r 80s ached 7th re- are eat- road-			stre Uppe Sauc meni Roac with wal: stre brie	eams to fee milfore con Towns to f 3.7 dways, par a large lambanks dges washed playgroup playgroup playgroup daygroup daygroup playgroup daygroup d	flash rd, Lo ships inche arks a port out. s wash	flood ower M: An i es of i and but tion of Roadi ned out	in I ilfor unofi rain ildir ff or s wer t, po	owe d, ici was ig w ie b ie u orti	r Mac and U al me repo ere f uildi nderm ons o	ungie pper asure rted. loode ng ined, f	- d
	out of serv conditioner were forced early from	ice due to s. Quite a to release schools wit	break numb thei hout	down of s er of s r stude air-con	f air chools nts di-	•	36 PENNSYLVA		•	tern						
Chester County	tioning. U set record	demand for		rical p	ower.	Lightning, Wind	Erie County	Thu	aging seve most seve	ral ho	uses. A	orap	a far	m was	sever	Strong Winds cooting trees and ely damaged. Damage aterford and North
	Thunderstor	ns caused d	lamage	e in the	e West		Beaver and Westmore-		?				3			Lightning
	Chester are smokestack erly damagi bricks down mobiles. W houses unde	at a junior ng the stac on the bui ind gusts o	: high :k and .lding lestro	school bringi and or	l sev- ing 1 auto-		Centre County	ally Pari 18	y, when the k another morning to 5 1/2 i	ey wer youth nches	e struc was cri	k by tical	lighi ly ii 3	tning. njured 5 the Ma	At Be when rsh Cr	jured, one critic- aver Falls City struck by lightning. Heavy Rain eek area(northeast
Eastern Penna.	13 1400EST 2130EST		0	7	5 0	Lightning,Wind Heavy Rain		Cen	tre County	r), cau peopl	sing it e were	: to g also	o ou slig	t of i htly i	ts ban njured	ks and damage 25 . Some roads in
	ent times, more than o duced an un At least 4 ning strike Lightning c barn and da sheds and a cluding a c	ensylvania a coccurring of conce. The language amout people were in scatte and building and building agarage other garage collassic Roll	at sever schundent of e injuered lutilitings of severs. Antaintle Roy	veral disome secenstorms lightnia location ty poles E all ki stroyed Also des ing 3 ca yce. A	iffer- ctions s pro- ing. light- ns. s and inds. one stroyed ars in- number		37 RHODE ISL Barrinton and East Providence area	26 Abo	1430- 1445EST			0 mmers	0 lost	0 power	0 when	Lightning lightning struck
	of houses a were damage fires were Many more f	d in fires 2 cows, 2 b ires and co	. Kil oulls ther d	lled in and 2 damage	the dogs. re-		38 SOUTH CAR	ROL	INA							
	sulted from lated fires alone. Lig killed five Heavy downp age floodin Wind gusts restaurant, other build	e lightning being repo thing stri cows and i ours caused g with many tore part o an apartme	with orted king njure wide vide vide vide of the	22 sto in Read in a fi ed five espread iways fi e roof couse and	rm re- ding ield others drain- looded. off a i a few		Statewide	No r 3 we crop This 1889 sout	0 - ain over m eks of Jun s maturing was the d at many p heastern S	e caus durin Iriest ooints	ed cons g this first 3 in cent	idera perio week ral,	ble das s of	damage early June	first to corn. since and	Drought
	planes at R people by t concert. The 55 MPH at H	eading Airp oppling a p higheat re	ort a	nd inju ormat a	red 3 rock		Statewide	Scat afte	p.m. tered thun rnoon and ge includi	evenir						Wind, hail, Lightning, rain zed
Mifflin, Juniata and Centre Coun- ties	17 0900EST	·	0	0 6	6	Flash Flooding Heavy Rain			1425EST 0 Lightni 1500EST W	rangeb ng dan ladmala	nageda w Islan	home. id, Ch	ar1e	ston C	ounty	
	Rain which storm downp amounts of ing resulte and farms i 52,000 acre age to home also over \$	ours result up to 5 ind d with many nundated. s was over s, farms at	ed in hes. hous Land \$500,	rainfa Flash ses, roa damage	all flood- adways to d dam-	-			1530EST G	lew do	lle, Gr wn seve	eenvi	lle rees	County on Br	oadus	

			JUNE 198
PLACE	TIME - LOCAL STANDARD LENGTH OF PATH (MILES) WIDTH OF PATH (MILES) WIDTH OF PATH (MILES) CROPS C	PLACE	TIME - LOCAL STANDARD GROUPS ON OP FRITH HUNG ED OP PATH (VARDS) ON OP ER TIT (VARDS) ON OP E
SOUTH C	AROLINA	SOUTH	<u> </u>
300 IN C			
	1600EST Lake Keowee Marina, Oconee County Winds measured to 75 nn.p.h. damaged a dock and several boats. Pea size hail and some lightning damaged reported.	Clark County Charles Mix County	05 1854 CST short narrow 0 · 0 0 0 Tornado (FO) The public reported a tornado just west of Carpenter. No damage. 05 1915 CST 0 0 4 0 Severe Thundersto
	1645EST Branchville, Orangeburg County Winds blew down trees, blocking highway south of Branchville. Barn destroyed in Boyer, S.C. 1830EST Florence, Florence County Trees down, caused power outages. Dime		A severe thunderstorm at Wagner resulted in brief heavy rains and winds up to 70 mph. Numerous limbs were downed, shingles and TV antennas blown off, a garage destroyed, a building blown off its foundation and roof panels torn off. As the thunderstorm moved through the area, the temperature dropped 20 degrees in ten minute:
	size hail reported, but no hail damage reported.	Hanson County	05 2015 CST short narrow 0 0 4 0 Tornado (F2)
	1920EST Eastern Columbia, Richland County Lightning and wind disrupted electrical power. Coff ball size hail in Shandon area and also on Leesburg Road in eastern Columbia.		A tornado, twelve miles east of Alexandria, destroyed a barn, tore the roofs from a home and two machine sheds and wrapped a feed auger around a bulk tank. The tornado immediately followed a 3-4 inch rainfall that occurred in less than 30 minutes.
	2030EST West Columbia, Richland County Lightning sparked fire, destroyed a large office building.	Day County	05 2015- 0 0 0 0 Funnel Cloud 2050 CST
Lynchburg, Lee County	20 1600EST 0 0 0 1 0 0 Lightning Lightning struck a lady talking on the telephone.		A funnel was spotted near Webster and moved northeast to just west of Waubay. No damage was reported.
Antreville,	21 p.m. 0 0 5 0 Lightning, wind	Hutchinson County	2020 001
Abbeville County	Lightning struck and burned a home. Also, minor wind damage in Abbeville.		A thunderstorm dumped two and one-half inches of rain in 20-30 min utes at Parkston. Several limbs were downed and sewers backed up into homes and businesses.
Columbia Area, Richland and Lexington	21 1400EST 0 6 5 4 Rain, flooding and lightning	Hutchinson County	05 2030 CST short narrow 0 0 4 0 Tornado (F2)
Counties	Heavy rains caused the roof of a factory in Cayce to collapse. Street flooding reported in areas of poor drainage throughout Columbia metropolitan area. Stores in Five Points flooded. Scattered power outages across metropolitan area.		A tornado, ten miles east and one mile south of Parkston, destroyed a large barn and grain bin. A car shed and shop building were damaged. Two 70 foot trees were uprooted and fell on a cutter and detroyed it. Several windows were broken and screens were blown frowth of the windows.
Clover, York County	27 1515EST 0 0 0 0 4 0 Wind, lightning Thunderstorm winds caused minor damage. Some lightning damage to utilities reported.	Brule County	05 2035- 0 0 4 0 Thunderstorm 2050 CST
Greenville, Greenville	29 1300EST 0 0 0 0 4 3 Rain, flooding Heavy rains of more than four inches caused considerable flooding. The Reedy River crested well above flood stage or about 12.2 ft. at 1 p.m. Worst hit areas in Greenville were Terrace Street, Cleveland Park and West Washington Street. Two families evacuated. Considerable flooding also	Beadle County	Rain, three to five inches, and winds up to 45 mph struck Kimball, incurring some damage. Shingles were blown off four buildings, a hay barn, garage, chimney and another barn were destroyed, a steel corn crib was blown away and some TV antennas and numerous trees were downed. 05 2110 CST 0 0 ? ? Hail
	no small streams in surrounding areas, but damage mostly minor.		Three-quarters inch diameter hail fell ten miles north of Huron.
		Hamlin County	05 2130 CST
39 SOUTH DAK	АТС	Kingsbury County	Strong winds damaged and uprooted trees in Bryant. 05 2145 CST 0 0 3 0 Wind
Walworth County	03 1130 CST 0 0 2 0 Lightning		Strong winds southwest of Hetland uprooted trees and downed power
	Lightning struck a transformer in Mobridge, causing a power outage for nearly two hours. A home also received lightning damage, as several small appliances were knocked out.	Codington County	lines. 05 2155 CST 0 0 ? ? Hail
Stanley County	03 1928 CST		Hail, one and three-quarters inch in diameter, fell at Lake Kem- peska.
	A funnel cloud was observed for several minutes west of Pierre.	Kingsbury County	05 2220 CST short narrow 0 0 3 0 Tornado (F1)
Walworth & Potter	03 2200 CST		Five miles east of Lake Preston, a tornado uprooted trees and downed power lines.
Counties	Strong winds around Hoven damaged numerous trees and outbuildings and destroyed a shed.	Deuel County	05 2223 CST short narrow 0 0 0 Tornado (FO)
Stanley County	04 0230- 0 0 ? ? Flash Flood 0630 CST	Clark County	A tornado near Toronto was reported. No damage. 07 1335 CST 0 0 ? ? Hail
	Heavy rains of up to seven inches overnight caused the Bad River to rise over 23 feet in six hours at Fort Pierre. Flash flooding resulted as a dam, seventeen miles west of Fort Pierre, gave way and an irrigation dam near Fort Pierre was damaged. Some roads and bridges were covered by water, resulting in damage. Many homes had water in them and one home, five miles west of Fort Pierre, was evacuated.	Roberts County	One and three-quarters inch hail fell at Clark. O7 1405 CST
Faulk, Edmunds, Mc. Pherson & Brown Count	04 1700- 0 0 2 0 Thunderstorm les 1815 CST Winds	Beadle County	07 1435 CST 0 0 ? ? Hail Three-quarters inch hail fell around Huron.
	Heavy thunderstorms with strong gusty winds up to 60 mph reduced visibility to a mile or less and downed numerous branches and several signs.	Sanborn County	07 1435 CST 0 0 ? ? Hail Three-quarters inch hail fell northwest of Forestburg and fifteen
Jerauld County	04 1800 CST 0 0 ? ? Hail		miles south of Huron.
-	Hail, one inch in diameter, fell in Wessington Springs.	Minnehaha County	07 1615 CST 0 0 ? ? Haf1
Brown County	04 1819 CST 0 0 0 0 Funnel Clouds		Three-quarters inch hail fell near Sioux Falls,
	Two funnels were reported by a sheriff just west and one mile north of Frederick.		

	T	٠,	I		Nr). OF	FCTIL	ATED			1		Τ-		NO. 0		IMATED	JUNE 1		
		LOCAI	F PATH	PATH		RSON		AGE	CHARACTER			COCAL	PATH	¥ CS	PERSO		AMAGE	CHARACTER		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	NJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	PROPERTY	CROPS	OF STORM		
—— SOUTH	DAK	OTA		J						SOUTH	DAK	OTA	J		<u> </u>					
Brule County		Late			0	0	2	0	Lightning, Hail		An er	mergency s					the w	idespread flash		
	One a	Afternoon and three- amage repo some appl	rted.	Lightr	h hai ning :	l fe stru	ll just ck a hom	north e in l	of Kimball, with Kimball and dam-		weake away ment	crops in walls wer	roads low ly e coll	, bridg ing are apsing	es and as and in some	culveri floodii areas	g many . Rec	washing out or addition to washin basements (Base- ord or near record		
loody County	07	Early	Tances	••	0	0	3	0	Lightning		River	rs and mar g washed o	y of toff	heir tr ds and	ibutari into di	es. Ir tches v	some here d	on and lower James areas, cars were rivers attempted		
	Light		d powe	er for a	a shoi	rt t	ime to a	smal'	ocked out a TV set, I area. An elec-		to cross deep water. Many small stock dams were collapsing, wa ing out roads, bridges and culverts beneath them. In Mount Vern (Davison County), there was 3-4 feet of water in homes and many basements were crumbling. Twenty homes were evacuated along Dr Run Creek in Mitchell (Davison County). Sewage was 5-6 feet de in parts of Mitchell.									
iner County	07	2100 CST	1/8	60	0	0	5	0	Tornado (F2)						· 0					
	shop,	. consider signs and	ably o appro	lamaging ximatel	jan a ly twe	uto enty	store a trees a	nd tru nd bre	roof off an Antique ack, uprooting sev- eaking numerous win- t an hour.		to th	e rising	water o eet his	on Reds	tone Cre	ek. Ma	ssive:	erely threatened du sandbagging (400 eventing the dam		
Clay County		1410 CST			0	0		0	Lightning		way d		the da	am, emp	tying th			hinson County) gave ausing flooding in		
outheast Third of		ning in V Entire	ermili	ion-cau	o 1sed p	owei n	outage. 7	s of 1	ess than an hour,		22nd	creating	disast	rous fl	ash floo	oding r	esulti	and again on the ng in flood emerge looding was occurr		
State	26	Period	aging	floodir	ng and	d fla	ash floo	ding	Flash Floods		again on th	and reco e area's	rd or a	near re and st	cord sta reams.	iges we Most t	re occ ributa	urring or expected ries had their high		
	south South count son, Turne	eastern t Dakota C ies were: Hutchinso r Union a	hird o ountie Auror n, Kir nd Yar	of South es being ra, Bon ngsbury, nkton.	Dake dec Homme Lake Sever	ota. lare e, Cl e, L n add	This f d Federa harles M incoln, ditional	loodii l Disa lix, C McCool coun	ng resulted in 16 ster areas. These lay, Davison, Han- k, Miner, Moody, ties were declared These counties were		On th	the 21st e 21st, i led due to feet of w	and 20 n Yank the f ater.	th. ton (Ya looding Many f	nkton Co on Marr amilies	unty), ie Cree were e	the s k. So vacuat	treams crested be- hopping mall was me streets had up : ed in both Yankton		
	Bead1 There	e, Brooki	ngs,[stimat	euel,[:ed \$ 8.1	Dougla	as, l	łamlin,	Minnel	naha, and Sanborn. damage and \$283		Dell Fland or un	Rapids, B Ireau in M Ider water	altic a body Co . Many	and Ren ounty. y cattl	ner in 1 Over 1 e and oi	linneha ,000 mi :her li	ha Cou les of vestoc	uated in Sioux Fal nty and Trent and roads were damage k were swept away of erosion and		
	winte	r of 1983	-84 ca e Marc	used se h 1984.	evere Th	snoi is ci	wmelt fl aused ne	oodin ar-re	y snows during the g in the region be- cord flooding on		crops noon twent roads	that was of the 21 y minutes were und	hed awa st in : , caus er wate	ay. A Sioux F ing ext er and	flood er alls afi ensive i evacuati	ergeno er two lash f lon was	y was iπche loodin takin	declared the after s of rain fell in g in the city. Man g place. Sewage an		
	ota. month	The fact	that n reco	January	y thro	ough	June 19	84 wa:	neastern South Dak- s the wettest six degree of satura-		goons	were was reportin	hed awa g poin	ay in Y tonth	ankton : e Big S	Yankto oux, V	n Coun emaill	nty) and sewage la ty). ion and lower Jame d well in excess o		
	of th rains strea	e disastr torm init	ous fl ially gand	ooding created finall	and i d flas ly ris	flasi sh f	n floodi lood cor	ng. ditio	und were the cause Each torrential ns, then small n conditions worsen-		flood stage. Estimates by the U. S. Geological flooding on the Big Sioux River at about a 30 y val; the Vermillion River, about 100-500 year r the lower James River, about a 300 year recurrenumbers show the magnitude and rarity of this f stages were set on the James River at Scotland						ear recurrence int ecurrence interval nce interval. Thes looding. New recor (Bon Homme County)			
	4-5 a to ra The r	nd caused ise the V ains wet o the flo	some ermill down t oding	lowland ion and the enti later i	d and d uppo ire re in the	urbi er B egioi e moi	an flood ig Sioux n and we nth.	ing a Rive re an	ion fell on June no werethe impetus rs above flood stage important precur-		and V	ermillion anks abou lowed ove Creek (a County)	emillion River at Davis (Turner County) and Wakon om (Clay County). A portion of the James River ju uut four miles north of its mouth at the Missouri rerland (through an old Missouri River Channel) in tributary of the Vermillion River) near Meckling . This is the first time this has happened in re							
	9th a	nd 10th a ing and r	s 1-3 iver s	inches tages t	fell to ris	in I se.	ooth sto	rms,	n, and again on the causing more local on June 11th with		By Ju the r Homme	ne 22, ov egion wit (123,000	h Hutch acres	ninson or 46%	218,000) of crop	acres	or 55: and Tu	were.under water i % of cropland), Bo rner (114,000 acre		
	very occur on th inche	heavy rai red over e Big Sio s of rain	ns - u much c ux, Ve fall i	up to fi of the r ermillic in one h	ive in region on and nour	nche: n and d loi in t	s – repo d river wer Jame he regio	rted. flood s Riv n cau	Flash flooding ing soon followed ers. Over four sed extensive		Overa	% of crop 11, the g on, Clay,	reatesi	prope	rty dama	ge occ	urred	ardest. in Bon Homme, Lake		
	bridg	es were c	losed nty bi	and hea oke des	vily stroy	dami ing	aged. T	he dar	Many roads and n on Lake Menno in ring the lake and	Clay County	111	1900 CST	short	narrow	0	9 4	0	Tornado (F2)		
	Scatt on th flood to th	oying a fered heave 14th, 1 ling and karee feet	arm di y rain 5th, l eeping of wat	irectly ns, (1-4 l6th and priver cer was	downs finch filts level going	strea hes) h can ls h	am. again o using so igh. By rough do	ccurre me ade late wntown	ed over the area ditional flash on the 16th, one n Davis (Turmer		a far grait roof was a	ma, Ahoo abins, a blown off	barn grain a hog d off	and two auger a barn a	cattle ind two ind a hor	sheds cattle me slig	were d sheds htly d	est of Vermillion estroyed, several were damaged, the amaged. A corn c power was intern		
	were milli start	already b on Lake D	eing f am (Mo ncern	Forecast Cook Co	t for ounty)	the alo	Vermill ong with	ion R many	Record stages iver and the Ver- other smaller ones was causing severe	Clay County	11 Stror	1900 CST ng thunder two busine	storm	winds i play wi	n Vermi) 3 lion t damagir	0 ipped g ceil	Winds over a van and bli ing and floor tile		
	On th (Hans faili	on County	ore ra) was	in fell severel	l (up ly wea	to : akeni	two inch ed and w	es), as in	Fulton Lake Dam serioUs danger of	Clay County		1900- 1930 CST			0	0	0	Funnel Clouds		
	due t		out tr	acks ir	n the	area	a. Parƙ	er r	r (Turner County) eported more than			funnels w northeas		ghted a	round V	ermílli	on, al	1 moving north to		
	Very 19th,	heavy rai Flash f	ns (up Toodir	to 7 i	nches	s) ag	gain del in much	uged t	the region on the ne region and con- nins (up to 4 inches	Minnehaha County	In Si	2300 CST oux Falls caused s				gusts		Thunderstorm 50 mph and heavy		

	1 4	3		NO.			ATED				3	Ŧ			. OF	ESTIM		
PLACE	LOCA	OF PATH	PATH DS)	PER	SONS	DAM		CHARACTER OF	PLACE		LOCA	S)	PATH OS)		SONS	DAM	AGE	CHARACTER OF
	DATE TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM
SOUTH	DAKOTA							}	SOUTH	DAK	(OTA					•		
Lincoln County	11 2300 CST			0	0	4	0	Winds	Lyman County	15	1225- 1250 CST			0	0	0	0	Flash Flood
		west of						, four miles north farm buildings		thre	iderstorms e inches o	of rain nd Pres	in an tho, Ru	hour noff	over wash	the Me ed out	dicine a coun	unty dumped up to Creek drainage ty road north of
Bon Homme County	11 2305 CST		_	0	0	4	0	Flash Flood			an and pro h remained				t ri	se in a	n hour	to Medicine Creek
	and Avon produ In Scotland, t walls gave way	cing so hree ho	me base mes rec	ement ceive	and o	onsid ensive	erable damag	Scotland, Tyndall, lowland flooding. when basement ad and heavily dam-	Pennington, Lawrence & Meade Counties		1458- 1545 CST	i hail	battere	0 d por	0	? s of th	0 e Blac	Hail Heavy Rain k Hills. Up to
Minnehaha County	aged. 11 2305- 2330 CST			2	0	6	0	Downburst		two ning thre Hawk	and three ton County e quarters (Meade Co	-quarte /} ever : inche :unty)	ers inch though s. Hai to Rapi	hail the I fel d Cit	fel aver l in	l just age dia an are Heavy r	west o meter : a from ains f	f Rapid City (Pen- hail was one and Piedmont to Black looded many street h (Lawrence County
	from two miles	south	and on miles	e-fial nort	f mil h of	e east Hills	of Ro (in Mi	of 160 mph, swept wena northeast nnesota). The down- followed immediate-	Brule County	rain duce	ns washed of a few m	out 200	feet o	f roa	ıd, d	amaged	severa	1 homes and pro-
	ly by very hea	vy rain to eig	ns. Th ght mil	e aff es To	ected	area Damage	was ap inclu	proximately one- ded several des-	brate country			three	fourths	inch	เกิด	•		1 from 10 miles
	two trailer ho	mes and	sever	al gr	ain b	ins.	Two de	eds, several barns, aths occurred as		sout	th of Chambe					lain.		
	a home was con for several mi machine sheds	les, 1	The sam	e far	m also	o had	most o	d debris scattered f its buildings, aged As the	Lawrence County		Evening	ick and	l killad	0	0 hons	3	0 was Ba	Lightning
	storm progress	ed nort	theast,	a po	wer c	able a	nd pol	e were blown over, no evidence of a	Lincoln County	1	itning stru 0345 CST	ick afti	i Kiiitea	O.	nors	esati 3	row re	ak. Lightning
	twisting natur	e. Num	merous ut in m	trees any p	in th	he pat . Ove	h were	sheared off and more than twenty		Ligh shin	itning stri	destro	yed and	seve	ra1 i	rough t	he TV were	antenna. Some shattered. Wiring
Hutchinson County	12 0540 CST			0	0	6	0	Flash Flood	Kingsbury County	Į.	1320 CST		irea co	0	0	0	0	Funnel Clouds
	The dam on Lak resulting in t	he dra	inage o	fa4	5 acr	e lake	. Af	arm just south-			ral small	funnel	s were	sight	ed a	round L	ake Pr	
	damage occurre new hog confir was destroyed.	ed. Al ementi two ca	nome wa was des ars wer	s mov troye e sev	ed 75 d, 45 erely	feet O hogs damag	off it were ged and	machinery was	Pennington & Meade Counties	16	1340~ 1530 CST			0	0	6	0	Hail
Fall River County	as a machinery 13 2120- 0000 CST	shed.		0	0	3	0	t away, as well Thunderstorm, Hail		(Per wind quar Appr	nnington C Ishields a rters inch	ounty) nd wind es on 1 800 hd	shreddi lows, { up to fo omes in	ing ro lail s our ar Sturg	ofs, sizes nd on gis a	dentin varied e-half nd Rapi	g cars from inches d City	to Rapid City and smashing one-and three- in diameter. had substantial hicles.
	and three-quar northwest to f	ters in ifteen je doors	nch in miles blown	diame south off,	ter, of E tree	fell i dgemor	in the it. Fe	quarters to one Ardmore area, nces were torn several outbuild-	Butte & Meade Countie	s 16	2017- 2054 CST			0	0	?	?	Haîl
Beadle County	14 0820 CST			0	4	0	0	Lightning		Newe	ell (Butte							miles north of is (Meade County).
	Four railroad ies, when ligh	employe	ees wer struck	e hur near	t, tw a pie	o with	burns machin	and muscle injur- ery they were re-	Faulk County	1	0145 CST s gusted	to 60 m	ophat k	0 lecota	0 wit	0 h no da	0 mage r	High Winds eported.
Lake County	pairing in Hu	ron,		0	0	3	0	Lightning	Lincoln County	17	1143- 1152 CST			0	0	0	0	Funnel Cloud
	Lightning str	ick a he	ome in	Madis	on, f	using	a cloc	k radio to a radi-		A fi		d was :	sighted	nine	mile	s south	west o	f Sioux Falls.
	stereo. Two h	oles, i	the siz	e of	a qu	arter,	were	es and damaging a burned in the car- 4' in the attic	Jones County	17	1700 CST			0	· 0	0	0	Funnel Cloud
Minneshalo Consta								s were melted.		A fi		d was i	reported	l by t	the p	ublic f	ifteen	miles west of
Minnehaha County	14 1020- 1125 CST			U	U	U	U	Heavy Rains	Lawrence County	17	2130 CST			0	1	0	0	Lightning
		sh floo	dîng.	Wate	r was	found	i on ma	d Sioux Falls pro- ny city streets g occurred.		fish	. The bo	ured a y was s	teenage struck o	n his	rig	ht side	and t	is Wheel in Spear- hrown fifteen feet
Minnehaha County	14 Early Afternoon			0	0	4	0	Lightning	Beadle County	A fu		đ, mov	ing east	0 :, was	0 s rep	0 orted t	0 y poli	Funnel Cloud ce just east of
	and a house ur age, A house	ider con traile je and	nstruct r in Si the TV	ion i oux F anten	n Val alls ma at	ley Sp receiv anoth	orings ved sev	near Hartford causing some dam- ere exterior and e was hit. A barn	Spink County	A to	1520 CST ornado was	repor		0 the po	0 ublic	0 just r	O north o	Tornado (FO) of Doland. No
Pennington County	14 2341 CST	. თ. ეცზნ	#63L 0	or mar	ctora O	. 0	0	Lightning	Roadle Coumty	1	age report	uu.		۸	0	,	,	U- 27
	1	lated f	three h		-			red in Hill City.	Beadle County		1532 CST	three.	-GUAPTE	0 sino	0 :h în	? diamet	? er. fe	Hail 11 fifteen miles
Dewey County	15 0415 CST		- "	0	0	0	0	Heavy Rains			th of Huro		Anat (6)	o tH€	an UN	u (aiDe l	.с, те	ic i i ceen miles
	Two inches of reported.	rain f	el? în	20-25	minu	tes ai	Eagle	Butte, No damage	Kingsbury & Beadle Counties	Ì	1710- 1730 CST		ı,	0		?	?	Hail
										Cour	nes în diam	neter, Smet a	fell fr and nort	om te :h to	en mi Erwi	les nor n (King	th of sbury	e-and three-fourth Huron (Beadle County), Hail in,

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PLACE	DATE TIME - LOCAL STANDARD LENGTH OF PATH (YARD) MIDTH OF PATH (YARD) MIDTH OF PATH (YARD) CROPS RILLED ROPERTY CROPS CROPS RILLED CROPS STOWN CROPS	PLACE	TIME - LOCAL STANDARD LENGTH OF PATH (YARDS) MILLED
—— south i	DAKOTA	SOUTH I	DAKOTA
Kingsbury County	19' 1730 CST	Brookings County	21 Morning 0 0 3 0 Lightning
	In DeSmet, high winds slightly damaged several trees and a windmill.		In Brookings, lightning hit a building and blew bricks off a wall,
Brookings County	19 1815- 0 0 4 0 Severe Thunderstorm	Naisa County	leaving a 2 x 3 foot hole. 21 1201 CST
	1845 CST A severe thunderstorm pounded Brookings County with high wind gusts	Union County	A few finger funnels were reported in Beresford.
	and heavy rains. Winds gusted up to 85 mph east of Brookings and rains of almost an inch in an hour produced local flooding in many areas. A home near Arlington was hit be a falling tree. Numerous large trees were blown over, causing 15-18 power outages in Brookings, along with a van being pushed several feet by winds. I Aurora, a 60-foot grain bin was destroyed by strong winds.	Southeast Counties	21 Early 0 0 4 0 Flash Flooding Afternoon Rains of up to two inches in twenty minutes produced flash flood- ing in many areas, In Stoux Falls. (Minnehaha County) many streets
Lake County	19 1845 CST 0 0 ? ? Hail		were closed due to water, 20 families were evacuated, a basement wall collapsed and well over a thousand homes were without phone
	Pea-sized hail covered the ground at Rutland.		service. At Renner (Minnehaha County), 8-10 families were evacu- ated. Overall, many highways were closed and basement and lowland flooding prevailed.
Beadle County	19- 1900 CST 0 0 0 0 High Wind		
	Winds gusted to 70 mph at Lake Bryon,	Shannon County	21 2330 CST short narrow 0 2 4 0 Tornado (F1) Two mobile homes were destroyed in Pine Ridge by a tornado, and a
Minnehaha County	19 2010- 0 0 0 High Winds 2055 CST Rain		Two occupants in one of the trailers was injured as it overturned.
	Winds gusted to 60 mph at Hartford and Renner and strong winds blew down numerous trees at Baltic. Over two inches of rain fell in	Todd County	22 Early a.m. 0 0 4 0 High Winds
	many areas, causing local flooding.		High winds tore shingles off homes in Mission, blew over TV antennas and broke numerous limbs and windows.
Kingsbury, Hamlin & northern Beadle	19 2115 CST 0 0 5 0 Flash Flood	Brown County	22 0625 CST
Counties	Heavy thunderstorms produced rains of 5-7 inches in a 3-4 hour per-		Hail, one and three-quarters inch in diameter, fell five miles southwest of Groton.
	iod, causing severe erosion and flash flooding. Roads and bridges were washed out in many areas and four culverts on a county road south of Bryant (Hamlin County), were washed out. In Hamlin County,	Brown County	22 Morning 0 0 0 G Funnel Clouds
	Highway 28, south of Hayti, was under water, bridges over township roads were washed out and several other roads were under water.		Several funnel clouds were observed along the James River in Strat-
	State crews blocked off an area west of Lake Norden where water flooded the intersection of State Highways 21 and 28. To the west	Codington County	ford. 22 0925 CST
	of Lake Norden and to the south of Bryant, travel was considered hazardous as many roads were damaged by flood waters. In Beadle	Caurington county	A funnel cloud was reported at Florence.
	County, several roads were washed out, fields flooded and Lake Cayour was filling up for the first time in many years. In Kings- bury County, a car was washed into a ditch near DeSmet, many roads	Davison County	22 1530 CST
	were impassable, at rural Erwin, 165 chickens drowned and south of Bancroft, culverts (102° x 70°) were washed out on the Redstone		Several funnel clouds were reported seven miles southeast of Letchen
Aurora County	Creek.	Jerauld County	22 1645- short narrow 0 0 0 0 Tornado (FO) 1655 CST
	0000 CST Rains of over four inches in a four hour period produced flash flooding. The side of a stock dam, ten miles northwest of White		A tornado, moving southeast, touched down just to the west of Wessington Springs. No damage was reported. Hail, up to one and three-fourths inch in diameter was also reported.
	Lake, collapsed releasing a six-foot wall of water that washed out several culverts and bridges.	Davison County	22 1743 CST
Hutchinson County	19 2300 CST 0 0 ? ? Hail		Gusts to 60 mph were reported north of Mount Vernon.
	Just east of Parkston, hail (one-half inch in diameter) pounded an	Douglas County	22 1758 CST short narrow 0 0 0 0 Tornado (F0)
	larea 2-3 miles wide and 10-15 miles long. Corn, beans and small grains were severely damaged. Knee-high crops were reduced to a height of six inches by the hall. Several fences were also knocked		A tornado moving south briefly touched down four miles northeast of Corsica. No damage was reported.
	down by the hail.	Spink County	22 1813 CST 0 0 0 0 Funnel Clouds
Jackson County	20 1345 CST 0 0 ? ? Hail Hail, one inch to one and one-half inch in diameter, fell at Inter-		Several funnel clouds were reported near Tulare moving to the east.
	for.	Hutchinson County	22 1815- 7 marrow 0 0 0 0 Tornado (FO) 1839 CST
Jones County	20 1720 CST 0 0 ? ? Hafl		A tornado moved from seven miles west-northwest of Parkston to one-half mile west of Parkston before dissipating. No damage occurred.
	One and three-quarters inch hail fell at Draper.	Douglas County	22 1815 CST short narrow 0 0 0 0 Tornado (FO)
Yankton County	20 1955 CST 0 0 0 0 High Winds Winds qusted to 65 mph at Yankton; however, no damage reported.		A tornado briefly touched down twelve miles west of Dimock with no damage.
Davison County	20 2237 CST 0 0 0 0 Funnel Cloud	Hutchinson County	22 1825 CST
	The public reported a funnel cloud five miles southwest of Nitchell		Lightning struck and burned a few hay bales near Parkston.
Yankton County	21 Early a.m. 0 0 ? ? Flash Flooding Afternoon	Hand County	22 1830 CST short narrow 0 0 0 0 Tornado (FO)
	Heavy rains and runoff caused the Marne Creek in Yankton to rise rapidly, causing extensive damage to home, property and cropland. Several families were evacuated and the walls collapsed on two basements. In Utica, the water was up to thirteen feet deep in places.	Hutchinson County	A tornado touched down briefly 12 miles west of Tulare with no damage. 22 1839- 1900 CST Gusts to 60 mph in Parkston and Tripp produced downed limbs and
Grant County	21 Morning 0 0 3 0 Lightning In Milbank, lightning hit a tree near a garage and followed a wire into the garage and damaged a wall and several tools.	;	Gusts to 60 mph in Parkston and Tripp produced downed limbs and wires and resulted in a number of power outages. Several traffic signs were broken in Tripp due to the strong winds. Hail, one and three-quarters inches in diameter, fell in Parkston.

SOUTH DAKOTA Boo Reper County 2 1900 CT Stort warms 0 0 0 0 Tereado (19) A tended by Felly suched done three and on-ball fall is such as the county of Socialized with no designe reported. One of the county of Socialized with no designe reported one of Socialized with no designe reported. One of Tereado (19) A tended by Felly suched done three and on-ball fall is such as the county of Socialized with no designe reported. One of Tereado (19) A tended one reported spite at all is such as finding to the county of Socialized with no designe reported one of Tereado (19) A tended one reported spite at all is such as finding to county of the such as the county of Social and the such as the county of Social and the such count of the such as the county of Social and the such count of the such as the county of Social and the such count of the such as the			CAL		РАТН	Ŧ		OF SONS	ESTIMA DAM						CAL	PATH	E	NO. PER			MATED [†]	
Bon Bowe County 22 1900 CST short narrow 0 0 0 0 Tomads (F2) A tomade buriefly tooched dose three and non-half miles southwest of Socialized vitro or danger reported.	PLACE	DATE	TIME - LO	STANDARD	LENGTH OF P	WIDTH OF PA' (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF		PLACE ·	DATE	TIME - LOS STANDARD	LENGTH OF P	WIDTH OF PA	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
A broade briefly bounded time three and one-balf miles toutheest of Scattered with no design reported. Yankton County 2 1922 000 0 0 0 Furned Clouds Several frameds, moving swith-southeest, were reported morth of Yankton. Clay, boilen and Yank. 21 101 CST Lind County 2 2 2000 0 0 7 7 8811 21 101 CST Turner County 2 2 205 CST 2 0 0 0 0 0 Fight Hinds A funder-train droped half up to one and three-fourths incides in disease; from faction for the book command basin ranged from Sight Lind complete. Turner County 2 2 205 CST 2 0 0 0 0 0 Fight Hinds A funder Cloud was reported west of Yankton. Yankton County 2 1 205 CST 3 0 0 0 0 Fight Hinds A funder Clouds was reported west of Yankton. Yankton County 2 2 205 CST 3 0 0 0 0 Fight Hinds Counties 2 1445 CST 3 0 0 0 0 Fight Hinds Counties 2 1445 CST 3 0 0 0 0 Fight Hinds Counties 2 1445 CST 3 100 CST 4 100 CS	—— SOUTH	DA	KOTA	<u> </u>		·—.—		<u></u>				<u> </u>	- SOUTH E	DAK	OTA							
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Several Funnels, moving south-southeast, were reported enrich of Tankton. City, Indion and Yash. 22 2005— A Dunderstorm draged half up to one and three-fourths inches in disease, from Tankton north to have? (Orifon County) and east into look. Dampe to also, core and bears varied from a light to complete display which, three of less mortheast of Parker, bliev the roof from a brain. Trinston County 24 1920 CST 20 0 0 0 Finnel Cloud A furnel cloud was reported wast of Yashton. Trinston County 24 1920 CST 25 1825 CST 20 0 0 0 Finnel Cloud Counties 26 1845 CST 27 0 0 0 0 Finnel Cloud Several signal clouds, many parameters, view representation of the devise could be recoved. Tree also fell on a countier of the county of the co	Yankton County		1923-	_	ui 110 (aumaye i			0	0	Funnel Clouds			ī			, , , , , , , , , , , , , , , , , , , ,					
Clay, bring and Yeal- 210 CST A chunderstorm damped in the protein on and there-purcher from the form of the complete of the				unnels	s, movi	ing sout	th-so	utheas	st, we	re rep	orted morth of	}										
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High winds, three miles northeast of Parker, blew the roof fros a born. Yankton County Yankton County 24 1920 CST 0 0 0 0 Funnel Cloud A furnel cloud was reported west of Yankton. Yankton County 26 2035 CST 0 0 0 0 6 ida1 One and three-quarters inch half left at Garins Point Dat. Counties Parkins & Harding Counties 27 1445 CST 0 0 0 0 Funnel Clouds Several funnel clouds, noving southeast, were reported around Lodge- pole and just northwest and southnest of Lemon (Perkins County) and round affair band clight affect in remains the pole of the cornel of the con-story house and entered through an Butte County 28 1530 CST 0 0 7 7 ida1 Butte County 29 1530 CST 0 0 0 0 Lightning Cornel County 20 1530 CST 0 0 0 0 Lightning Cornel County 20 1530 CST 0 0 0 0 Lightning Cornel County 20 1530 CST 0 0 0 0 Lightning Cornel County 21 20 versing A Larystia weather observed reported 2-CS inches of rain in Cornel County 25 1530 CST 0 0 0 Funnel Cloud Retitudes Counties A furnel clouds spring the property of the control of the cornel of the cornel county of the cornel of the	T	dia Iow	meter, a. Dan	from mage t	Yankto	on norti	n to and	Nora (beans	(Union ranged	Count d from	y) and east into slight to complete.			build at the	lings at ne 411 Re downed o	busines stauras ausing	ses on it was i power o	Old N knocke outage	iles dout	Ferry A .ight:	/. Api number ning als	ate glass window of trees were o damaged
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Dewey, Walworth and Edmunds Counties 25 1733	Corson County	25	1550	CST			0	0	0	0	Lightning											
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Corson County 27 1845 CST short narrow 0 0 0 0 Tornado (F0) 1905 CST short narrow 0 0 0 0 Tornado (F0) A tornado was on the ground for less than a minute at Little Eagle with no damage. A second tornado touched down briefly from the same thunderstorm, five miles northwest of Mobridge. Corson & Walworth County 27 1915- 2000 CST Hail, varying from a quarter inch to one and three-quarters inch in diameter, fell from Mahto (Corson County) to Mobridge (Walworth County) Minnehaha County 28 0600 CST 0 0 ? 4 Hail Hail ripped a two mile wide strip from Garretson east into Minne- sota, causing damage to windows, crops and siding. The worst dam- age resulted around Garretson. In all, 200 acres of corn and 100 acres of beans were damaged. Moody County Moody County 15 1400cst A thunderstorm lashed Oak Ridge vith 1.15 inches of rain h broke a 17-day dry spell, but high vind with the storm righ part of the roof at the school maintenance building. Stort fronts were also blown out at a couple of downtown stores. Wind blew over an unanchored mobile home damaging the home its contents. Brick Dhurch area, Giles County Strong thunderstorm lashed Oak Ridge vith 1.15 inches of rain h broke a 17-day dry spell, but high vind with the storm righ part of the roof at the school maintenance building. Stort fronts were also blown out at a couple of downtown stores. Was reported with the thunderstora but no size was given. Bolivar, Hardeman County Wind blew over an unanchored mobile home damaging the home its contents. Brick Dhurch area, Giles County Strong thunderstorm lashed Oak Ridge vith 1.15 inches of rain h thock a 17-day dry spell, but high vid the storm righ at the roof the roof at the school maintenance building. Stort fronts were also blown out at a couple of downtown stores. Bolivar, Hardeman County Wind blew over an unanchored mobile home damaging the home its contents. Brick Dhurch area, Giles County Carroll County 22 1930cst Very Brown the very also blow ever an unanchored mobile home out at a couple of	Tripp County				at Wi	nner do	0 wned	0 1 imbs	0 and p	0 ower 1				Wind	took th							Field. Several
Counties 2000 CST Hail, varying from a quarter inch to one and three-quarters inch in diameter, fell from Mahto (Corson County) to Mobridge (Malworth County). The hail was up to 4-5 inches deep in an area five miles wide. Minnehaha County 28 0600 CST 0 0 ? 4 Hail Hail ripped a two mile wide strip from Garretson east into Minnesota, causing damage to windows, crops and siding. The worst damage resulted around Garretson. In all, 200 acres of corn and 100 acres of beans were damaged. Moody County 8 1030 CST 0 0 ? Hail Moody County Bolivar, Hardeman County Brick Church area, Giles County. Brick Church area, Giles County of Strong thunderstorm winds toppled many trees and knocked on power lines. A house sustained damage to one vall, and the vere numerous reports of sinor damage to outbuildings in the northeast part of Giles County. Carroll County 22 1930cst 2 1930cst 2 1930cst 2 1930cst 3 1030 CST 4 Lightning Struck a mobile home causing a fire which completed the county of Strong thunderstorm winds toppled many trees and knocked on power lines. A house sustained damage to one vall, and the vere numerous reports of sinor damage to outbuildings in the northeast part of Giles County. Carroll County McKenzie, Carroll County McKenzie, Carroll County Lightning struck a mobile home causing a fire which completed the county and the county two which is something.	Corson County	A wi	1905 tornado th no d	S CST was damage	short on the	narrow ground econd t	0 I for corna	0 less do tou	0 than a iched d	0 minut down bi	Tornado (FO) te at Little Eagle riefly from the			A the	understo e a 17-d of the ts were	rm lash ay dry roof at also bl	spell, the so own out	but h hool at a	igh w maint coup	ind w enanc le of	inches ith the e build downto	of rain hich storm ripped up ing. Store wn stores, Hail
diameter, fell from Mahto (Corson County) to Mobridge (Nalworth County). The hail was up to 4-5 inches deep in an area five miles wide. Minnehaha County 8 0600 CST 0 0 ? 4 Hail Hail ripped a two mile wide strip from Garretson east into Minnesota, causing damage to windows, crops and siding. The worst damage resulted around Garretson. In all, 200 acres of corn and 100 acres of beans were damaged. Moody County 8 1030 CST 0 0 ? Hail Moody County 10 ne-half inch to one and three-quarters inch diameter hail fell at			2000	CST	from a	quarte	-	-		•				Wind			nanchor	ed mo	bile	4 home	danagin	
Hail ripped a two mile wide strip from Garretson east into Minne- sota, causing damage to windows, crops and siding. The worst dam- age resulted around Garretson. In all, 200 acres of corn and 100 acres of beans were damaged. Moody County 28 1030 CST 0 0 ? Hail One-half inch to one and three-quarters inch diameter hail fell at		Cou	meter, inty). de.	fell The	from	Mahto (Corso o 4-	on Cou 5 inch	nty) t es dee	o Mobr pina	idge (Walworth n area five miles			Stro	r lines.	A hou	ise sust	ained	dama	ny tr ge to	one wa	knocked out II, and there
Moody County 28 1030 CST 0 0 ? Hail McKenzie, Carroll County 122 ? Lightning struck a mobile home causing a fire which comple	Minnehaha County	Ha so	il ripp ta, cau e resul	ed a sing of ted a	damage round	to win Garrets	str dows	ip from	m Garr s and	etson siding	east into Minne- . The worst dam-	Car	roll County	22 Two and	heast pa 1930cst motorist Huntingd	rt of 6 s becam on afte	iles Co e strar 7 a 3-i	nded o	n US ainfa	? 70A t	? etween ooded t	Flash flooding McLemoresville he roadway. The
One-mail then to one and three-quarters then drameter mail reliate	Moody County	28	1030	CST			0	0	?	?	Hafl			22	?	-				4		Lightning
Intersecte 2 and righted 3c, west of rendred. Add them seems the country in the due to hail accumulation and they had to shove the hail		In:	terstat t drive	e 29 i	and Hì to hai	ghway 3	12, W	est of	Fland	lreau.	Road crews could	Con	cord Community,	dest	royed th 2100cst	e trail	er.			4		Lightning
McCook County 28 1700 CST short narrow 0 0 0 0 Tornado (FO) A tornado was reported around Stanley Corner, moving southeast. No	McCook County	A	tornado	was	report	ed arou		_					·	3-be	droom sp litioner	lit lev	el hous	se. T	he li	ghtni i tche	ng stru	ck an air
damage was reported. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the roof on a storage barn in a late aftern thurderstorm. Manual destroyed the	McCook & Hutchinson		-				0	0	0	0	Tornado (FO)			Winc	destroy		roof or	a st	orage		inal	
Counties 1771 CST A tornado moved from two miles south and one mile west of Bridge-water (McCook County) to two miles north of Freeman, with no damage occurring. Mosheim, Greene County Hail beat cabbage into instant cole slaw and destroyed at 120 acres of corn. The hail reportedly lasted for 45 minute.		A wa	1711 tornado ter (Mo	CST move Cook	d from	i two mi	les :				e west of Bridge-			Hai I	beat ca					siav	and des	royed at least

	NO. OF ESTIMATED' PERSONS DAMAGE		NO. OF ESTIMATED
PLACE	TIAME - LOCAL STANDARD - LOCAL WILLESS WILLESS OF THE CHART OF PATH (TARDS) CHARTCLE OF THE CH	PLACE	TIME - LOCAL STANDARD STANDARD STANDARD CROPS CR
TENNES	SSEE	TEXAS,	Northern
Henry County	28 night ? ? Wind A number of trees were downed by wind during a thunderstorm. Some of the trees fell on houses causing additional property damage.	Johnson County	27 1545CST- 0 0 0 0 Wind, Hail 1605CST Thunderstorm winds blew down a small outbuilding 4 miles south-
McMinnville, Warren County	29 aftn ? ? Wind, flash Wind with a late afternoon thunderstorm flooding broke tree limbs and downed several trees. Flash flooding was reported in several sections of the city due to the heavy downpour. Power service was disrupted about two hours.	Parker County	east of Godley at 1545CST. Spotters reported pea to dime size hail and heavy rains at Bono at 1605CST. 28 1815CST 200 yd 50 yd 0 0 4 0 Tornado F1 1815CST 0 0 0 0 Hail
Mowbray Mountain, Hamilton County	30 1610cst ? ? Hail One inch hail was reported on Mowbray Mountain. Small hail was also reported in East Ridge and Red Bank.		Spotters observed a tornado, about 50 yards wide, touch down between Pooleville and Peaster. The tornado traveled about 200 yards across the field and damaged a barn before lifting.
Chattanooga, Hamilton County	30 1625cst 1 Lightning A 16-year-old boy who stopped his bicycle under a tree to avoid the rain was killed when lightning struck the tree.	Palo Pinto County	Golfball size hail was also reported at 1815CST in Pooleville. 28 1850CST- 0 0 0 0 Wind 1918CST
41 TEXAS, Nort	thern		Thunderstorm winds estimated at 50 MPH were reported about 5 miles north of Mineral Wells at 1850CST. As the storm neared the city, spotters on the north side reported gusts to 70 MPH at 1908CST. Department of Public Safety officers tracked the storm as it left the city and reported winds to 60 MPH at 1918CST.
McLennan County	04 1550CST 0 0 ? ? Wind The Sheriff's Office reported winds estimated at 60 MPH downed tree limbs and power lines in the Waco area.	Tarrant County	29 1619CST 0 0 0 0 Funnel Carswell Air Force Base weather personnel observed a funnel southwest of the base for several minutes.
Tarrant County	04 1625CST- 0 0 ? ? Wind 1645CST Thunderstorm winds estimated at near 60 MPK struck the Meadowbrook	Hood County	29 1630CST 0 0 0 0 Winds Spotters reported marble size hail and 60 MPH winds in Cresson.
	addition of Fort Worth at 1625CST. Spotters clocked winds to 60 MPH in eastern Tarrant County at	Freestone County	30 0450CST 0 0 ? ? Flooding The Sheriff's Office reported flooding along Highway 84 near
Baylor County	1645CST. 05 1455CST 0 0 ? ? Hail Pea to golf ball size hail was reported at Lake Kemp Dam.		its intersection with 1-45.
Eastland and Comanche Counties	05	41 TEXAS, Sou	thern
	Spotters observed a small tornado touch down briefly in a field several miles west of DeLeon at 2015CST.	Travis County	5 1615CST 0 0 0 0 Hail One inch hail fell just morthwest of Austin along US Hwy 183
	Intense thunderstorms moved through the area during the next several hours, with resultant heavy rains. Rising Star received 5.4 inches rain, with Comman reporting 4.5 inches, both being representative of amounts falling in Eastland County. Rising Star had some flooding from the rains, with water 3-5 feet deep over some streets for a short time. Several homes and businesses also had water inside for a short time. Comanche also reported 2.5 inches of rain and 60 MPH winds at 2030CST. Trees were uprooted by the thunderstorm winds, and several buildings sustained roof damage.	Conzeles County	hear the Williamson County line. No damage reported. 6 0715CST .5 20 0 1 5 0 Tornado (FO) A small tornado skipped across the northern portions of the town of Gonzales moving from west to east. The path of the damage was not continuous. A local patrolman, whose car was spu around into a tree by the high winds, described the event as we high winds trying to develope into a tornado, however he said there was rotation. A large National Guard Armory quonset build was damaged severely as one end of the building was blown in creating a wind tunnel so that the other end was blown outward,
Comanche County	06: 0315CST Short Narrow 0 0 0 0 Tornado F0 0330CST 0 0 5 0 Winds A tornado touchéd down briefly about 9 miles west of Comanche,		Northeast of the armory, a food store and a laundry building lo portions of their roofs. There was other roof and awning damage in the area. Several trees were snapped off and blown over. A futility lines were downed. The damage scene was reviewed by National Weather Service Personnel.
	with no reported damage. At about 0330CST, the same thunderstorm struck the City of Comanche, with winds estimated at 70 MPH. Several buildings and mobile homes were heavily damaged, with estimates placed at \$200,000.	Harris County	6 10450ST 0 0 4 0 Wind High winds from a thunderstorm destroyed a warehouse building behind the Spring Branch Stopping Center in Houston. The winds also shattered window panes, knocked down signs and snapped at least one utility pole in two.
Foard County	09 2030CST 0 0 ? ? Hail Hail from marble to near golf ball size was reported at Thalia.	Atacosa County	12 1510CST 0 0 4 0 Wind Thunderstorm winds blew down utility poles, trees and destroyed
Montague and Wise Counties	10 0620CST- 0 0 5 ? Winds 0700CST At 0620CST, Bridgeport Police reported 60 MPH winds and pea	Bexar County	barn 6 mi west of Jourdanton near State Hwy 97. The winds were estimated near 75MPH. 13 1500CST 0 0 5 0 Wind
	size hail causing minor damage in the City. The thunderstorm increased in strength and by 0633CST, Bridgeport Civil Defense officials were reporting winds estimated at 80 MPH or higher. Several roofs were torn off buildings, windows broken, signs and power lines were downed, and electric power was off for nearly five hours. At about 0700CST, rural Southern Montague County was struck by the storm, with numerous trees and power lines being downed.		Thunderstorm winds gusting up to an estimated 75MTH hit on the eastern side of Bexar County near Kirby and Converse. More than 100 homes suffered minor damage to roofs and fences. Wost of the damage homes were located in the Mission Hills and Woodlake Estates sub-divisions. Woodlake Country Club suffered major damage to the golf course with many trees being uprooted. There was major damage to the roof of the club house.
	the storm, with numerous trees and power files being downed.	Brazos County	30 0600CST 0 0 5 0 Hail & Wind

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	OCAL	H H	NO. (TIMATED†				OCAL.	PATH	H H		OF SONS	ESTIM. DAM		GUARACTER
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF PAT	XILLED	INJURED	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
TEXAS,	Southern						TEXAS, V	Ves	tern							
: Karnes County	30 2000CST		0	0 5	. 0	Hail & Wind	Amarillo, Potter	10				0	0	5	?	Hail and Wind
Jim Wells County	was flipped or roofs of home High winds at the damage was ction of St. 30 2300CST	over and seves were dama lso blew ove as near the tate Hwy 72 winds were	erly dama ged as a r several by-pass a and US Ho 0	well as all large around by 181.	second o breakag trees. Kenedy n Large h	obile home as it ne. At least two e of window panes. The location of ear the inter- ail fell also. Wind MTH near the town orted winds near	and Carson Counties	cau blo tre and In hai was mob	sing cons wn down, es were d truck tr Carson Co l and win totally ile homes	mplex of iderable roofs were to descript the descript were to descript the descript were to descript were to descript were to descript were to descript descript were to descrip	e damag vere blo ed on th were de se Depar geall ved. Ev	e. Pown of se old stroy thent their very vover n	ower f and air ed at of H r gua ehicl	and te i windo force the I Inergy and hou e sust	lephon ws, ou base. owa Be Plant sea we ained d 287,	adjacent areas, e lines were thouldings and An overhead door ef Packing Plant. had considerable re damaged and one hail damage. Two and two more rous reports of
	55MPH at above location.	ut the same	time. No	damage	was rep	orted from either	Masterson,	hai eas flo	l with so t Amarill	me to g o. The h damag	olfball slow m	. size	and stor	one to	baseb sed so in fel	all size in north- me local flash l in Amarillo.
41 TEXAS, Wes	tern						Moore County	Gol	fball-siz	ed hail	fell i	in Mas	terso	on.		
Goodfellow AFB, Tom	04 0820CST					Puppel -	Deaf Smith, Randall, and Armstrong	10	Evening			0	0	?	?	Flash Flooding
Green County Mareta and Wall, Tom Green County	The Security funnel clouds 04 0820CST 04 0950CST A tornado bet	s in the vic short 15 short 15	inity of 0 0 and Wall	the ba 0 0 1 touch	se moving 0 0 0 0 ed down b	Tornado (FO) Tornado (FO) oriefly in open	Counties	acr In of str was Hil	oss Randa Amarillo water at anded in hed out s	11 Cour underpa South W an unde ome bri alo Dur	ity and isses ar lestern erpass a ick wall	Armst nd str near at I-4 ls and Park	rong eets I-27, 0 and ente	County were f up to Washi ered so er was	creat looded a doz ngton. me hou	ty moved slowly ing flash flooding, with up to 4 feet en vehicles were In Canyon water ses in Huntsley and estimated
	field at 0820 touched down	CST. Anoth	er tornad	do movi:	ng toward	Mareta also	Claude, Armstrong County	10	1620CST	than	20	0	0	3	0	Tornsdo (F1)
Orient, Tom Green County	a half hour b	efore midni	Ranch (4	linga m	southeas an house	Tornado (F1) t of Orient) about i in a mobile home, d about a mile			1650CST	0.1 mile Less than 0.1 mile	20	0	0	4	0	Tornado (F1)
	house started wife to get t it was all wh in a flash of it was too da of rain was f could see the	to shake. the kids on tite with a an eye." I ark to see a falling. The house (mobiler damage,"	"I heard the floor olack gla furray sa nything. en there Lle home)	d the nor. I loare," he aid he : "The ras a :) was co	oise and coked out a said. ran to the wind was flash of completely	ing sound as his screamed at my the window, but "It was all over e front door, but calm and a sprinkle lightning and I destroyed and that me was blown off	Washburn, Armstrong County	des rip bas 10 Ver hom	troying a ped off t ement. 1748CST y strong e in Wash	barn. he rood wind by burn.	Another of a l	er tor nouse 0	nado, while	, 6 mil the r ? ows out	es wes esiden 0 of a	thwest of Claude t of Claude, ts were in the Wind house and a mobile
	According to very intense This lightnin	with a cont	lnuous di	ísplay i	of all fo	e thunderstorm was rms of lightning. e tornado.	Sundown, Hockley County	14	1420CST 1426CST 1440CST	short short	4	0	0	0	0 0 0	Tornado (FO) Tornado (FO) Tornado (FO)
	There were tw intensity of not do so. H the home was home were lef	the storm, le grabbed so hit. Many t untouched	in the married to everal bl	nobile l wake uj lankets íldings	nome. On his com and left surround	e, sensing the panion, but could . Moments later ing the mobile		4 m Cit dev The not a c	iles sout y and the eloped wi se storms unusual, ouple of	hwest for anoth thin a were recorded to desired the desired to the desired the	ollowed er only very mo sther w rse, to eet, as	1/2 1st a leak w get thes	nothe mile nd wa ith r rope-	r l an west. rm air elativ like t	d 1/2 The t mass o ely lo ornado	The first was about miles west of the hunderstorms f tropical origin. w tops. It is es not wider than is kind of
	suffered dama from their ba	age. Five p ase, three b ofs were blo	ower pole arns had wn off.	es were	sheared ated stee	ny Ranch, also off about 4 feet el stripped off its res, including the	Slaton, Lubbock County		1710CST 1720CST 1725CST	0.2	-	o O	0	0	0	Tornado (FO) Funnel Funnels
Busby, Fisher County	06 0140CST Golfball-size	ed hail fell	0 about 3	-	? O	Hail Busby.		jus tor	ed slowly t southea	to the st of S funnel	north. Laton w	Sev ere o came	eral bserv	minute ed by of esse	s late the Sl	f Slaton and r 3 funnel clouds aton Police. The y the same kind of
	A complex severating a number and flash floothe system.	umber of tor poding on Ju	nadoes, h ne 10th.	hailsto A wea	rms, high k front a	winds eccompanied	Follett, Lipscomb County	25	mass as c 1700CST fball-siz			0	0	port.	0	Hail
Exell, Moore County	10 1313CST	9 ?				Tornado (FO) Hail	O'Donnell and Wilson, Lynn County		1325CST 1400CST		rell 1	0 0	0 0	2 2	0	Wind Wind
	any damage.	moved east It was diff The thunde	out it ap icult to	ppeared obtain	to have	eved for 30 casued little if and intensity of sized hail which		dow Wil	ere thund n some tr son. Bot	ees. I h towns	he same	kind Lynn	of w	ind de	stroye	ildings and blew d a barn in
Magic City,	10 1447CST	? ?	0	0	? 0	Tornado (FO)	Perryton, Ochiltree County	ı	1340CST fball-siz		fell f	0 in Per	0 Tytor	?	U	Hail
Wheeler County	The pilot of tornado about touched down	: 3 miles so				observed a : appeared to have	Shamrock, Wheeler County	27	1602CST	shor	t narro	w 0.	0	?		Tornado (FO)
							Quail, Collingsworth County	27	1630CST				0	?	, o.	Tornado (FO)
							Samnorwood, Collingsworth County	A to	ornado mad 1630CST				e nea O	r Quai:	0	Tornado (FO)
								A SI	mell torn	ado tou	ched do	wn br	lefly	near (Samion	vood.

). OF ESTIMATED!				CAL	¥T#	¥	NO. 0		ESTIM/ DAM		
PLACE	DATE TIME - LOCAL STANDARD LENGTH OF PATH (MILES) WIDTH OF PATH (YARDS)	INJURED PROPERTY CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
TEXAS,	Western	<u> </u>		VIRGINI	IA				·				
Schleicher County	27 1700CST 0 Aind gusted to 70 mph two miles damage. 27 1725CST short narrow 0 A tornado touched down briefly 4	east of El Dorad	Tornado (FO)	Dimwiddie County	tre Pet Hea	1800 - 1900EST nderstorm npours mo es and ca ersburg, vy downpo acco crop nty	ved thi using i Hopewel urs wii	rough th widespre Il and C th stror	ne area Rad pow Colonia ng gust	dowi er ou l Hei y wii	ning 1 utages ights nds da	arge in th areas. maged	e
42 UTAH				Statewide	28	low movin	hĩos n	front (trioner	ed ni	umerou		Wind,rain,hail
Utah County	, 02 2045MST 0	0 3 0	Thunderstorm		thu	nderstorm h winds a ails	s thro	ughout t	the day	with			
	A severe thunderstorm produced of Young University in Provo on the Caused flying debris which damag	is Saturday eveni		Isle of Wight Count Chesapeake	y 28	1205 - 1225EST			0	0	4	0	Wind, rain
Salt Lake County	03 0745MST 0 A thunderstorm over the Salt Lahall, mainly in the southern ha	0 0 0 ke Valley produce if of the valley.		Virginia beach	win sev	ong thund d gusts t eral smal ns caused	o 50 m 1 outb	ph. Larg uildings	ge tree S were	s we dest	re to; royed	opled a	ind
Salt Lake County	counties reported pea size hail. 19 2030MST 0	0 4 0	Thunderstorm Downburst	Lynchburg	28	1500 - 1600EST			a	0	3	0	Hail, rain
	A thunderstorm downburst blew or for many residents of the southo on this Tuesday evening. Wind gr confined to a localized area. Th Holladay/Cottonwood area of the	ern portion of th usts were estimat he strongest wind	cked out the power e Salt Lake Valley ed at 70 mph and		size outa rain	understored hail spaces and spaces and spaces are space	read a everal ome lo	cross ti automoi calized	he city bile ac street	cau cide flo	sing points. I	oower leavy and	
Duchesne, Garfield, Millard, and Sevier Gounties	30 1600MST 0 Heavy thunderstorms dumped heavy southern and eastern Utah. 1/2 area dented cars and trucks, kn windows. Hail accumulated to a 1,70/30 in Panguitch; .45/30 in i 1,56/45 in Duchesne.	to 3/4 inch hail nocked fruit off t depth of 4 inches named included	in the Duchesne rees and broke in the Cove Fort : .31/10 in Delta;	Stafford County Eastern Prince William county	thr in Sev cam on to	1630 - 1700EST folent the rough the the Aquia eral tree pers. One her car. several is	unders area f Harbo s topp woman Hail c inches	elling r and G led ove was in omplete deep an	large i arrison r onto jured i ly covi	rees nvill auto when ered	e arei e arei s, hor a trei the g	cially as. uses and e fell round	nd
43 VERMONT					ı								
WASHINGTON, LAMOILLE, FRANKLIN & ORANGE COUNTIES	; 07 AM 0	0 8 7	Flood	45 WASHINGT	ON								
	Heavy rain created major flood Local officials stated this wa The Lambille River swelled to above the 100 year flood. In were reported floating down ri river took their homes. Ther drownings and close calls. Da to sandbagging of structures.	as the worst flood its second highes Stowe, Vermont th iver. All persons were several rep amage to some town	ling since 1927. It stage ever, well line mobile homes is escaped before the ports of near is was lessened due	5 South of Pullman Whitman County 1 Southwest of Pullman Whitman County 20 North of Yakima Yakima County	12	1640 PST 1655 PST 1510 PST	:		0	0	0 0	0 0	Funnel Cloud Funnel Cloud Funnel Cloud
	evacuated during the storm. Rainfall for the storm exceede washed out covered local paper being cut off from others, by news. In Brush Hill, near Sto slid downhill to block State R said all Class II and III road	rs. Quite a few s road washouts, we owe, more than 300 Rte. 100. In Newb	stories of persons ere featured in the 0,000 yards of dirt oury, town officials	Chelan and Okanogan Counties	cher	ry grower	well a	nd spli	t open.				Heavy Rains which caused matchee was 1.39
	State figures are now running State facilities. The Towns o Plainsfield each had 1 million More than 170 families were gi was over. Damage to farms amo with crop damage now at 3 mill	of Stowe, Calais, n dollars plus in iven ahelter by th ounted to over 2,0	Morristown and damages alone. he time the flood 000 acres flooded,	46 WEST VIRG	16 A s	1300- 1500EST evere thu	nderst	orm move	0 ed acro	O oss S	O ummers	O S Count	Hail y from 1300- reported hail
44 VIRGINIA					3/4 in and	inches i a 55 minu 1.50 inc	n diam te per hes of	eter at iod. Ji rainfa	1342ES umping 11 in a	T an Bran	d 2.10 ch rep) inche oorted	es of rainfall 3/4 inch hail nd. Hinton
Rockingham County	06 1500EST 0 Lightning struck and set fire totally destroying it and its		Lightning		rep	orted sma	11 hai	1 at 14	POEST.				
Prince William County	14 1300 - 0 1400EST A slow moving thunderstorm wit caused widespread power outage least two houses in the Woodbr	es and struck at	Lightning										

		JUNE 19
PLACE	TIME - LOCAL STANDARD STANDARD LENGTH OF PATH (MILE) (MIL	DATE TIME - LOCAL STANDARD STANDARD STANDARD (MLES) WIDTH OF PATH (MLES) KILLED CROPS
47 WISCONSIN		WISCONSIN
Rock County	06 1604CST 4 0 Wind	Lafayette and Iowa 07 2330CST 11 40 0 0 5 4 Tornado (F2)
	The leading edge of a line of severe thunderstorms expanded northward into the county. 98 mph wind gusts were recorded at the Rock County Afroport. 65 power lines and at least 25 large trees were downed in Janesville, trapping two people in cars.	Counties A tornado touched down just north of Belmont in Lafayette County. It stayed on the ground for 5 miles, destroying some sheds and tearing a roof and a chimney from a home. It then skipped northeastward to Mineral Point, flattening a barn and garage and uprooting 20 trees.
Southeast Counties	06 1615-1800CST 0 2 5 0 Wind The line of severe thunderstorms continued to ex-	Iowa and Dane
	pand northward, then moved eastward through Fond du Lac, Dodge, Jefferson, Walworth, Washington, Waukesha, Racine, Kenosha, Calumet, Sheboygan, Ozaukee and Milwaukee counties. Numerous reports of wind gusts of 60-70 mph along with large trees and power lines downed were received from these counties as the line moved through. Also, a mobile home was blown off the road in Dodge County, and a flight attendant was struck by lightning causing minor injuries at Mitchell Field in Milwaukee. Roofs were peeled off homes and silos near Fond du Lac, at Richfield in Washington County, and at Hayton in Calumet County. Minds also caused \$40,000 damage to a home and garage near West Bend in Washington County. And \$25,000 lightning-related damage was reported in Racine County.	This killer tornado began a 36-mile path of destruction by knocking down farm buildings south of Ridgeway. It then strengthened and slammed into Barneveld in Iowa County at 2347CST, tearing up nearly 90% of the village. 93 homes were destroyed, 64 damage and 17 of the 18 businesses and public buildings were leveled. Nine people were killed and 197 injured. Total damage estimates approached \$25 million. Overall, about 170 of the village's 225 buildings were either destroyed or heavily damaged. The tornado then continued northeast, ripping up another 24 houses in 12 miles before reaching Black Earth at 0007CST. There it destroyed 8 more homes and damaged 16 others along with numerous farm buildings, injuring 3 people. The tornado then continued northeat to Lodi near the Columbia County
Waupaca County	07 0950CST 0 0 3 0 Wind Thunderstorm winds, gusting to 60 mph, flipped over one mobile home and blew another off its' foundation at Manawa, causing \$3,000 to \$4,000	border, damaging 5 more homes and uprooting trees along the way. At Lodi, it shattered two barns and several sheds before finally lifting and dissipating. Total damage from this storm has exceeded \$40 million.
	damage. Some power lines and trees were also downed.	Columbia County 08 0025CST 16 50 0 0 5 5 Tornado (F2) A tornado touched down just northwest of Arlington,
Trempeleau County	07 1930CST 0 0 5 0 Lightning Lightning struck a barn near Arcadia, burning the barn and killing 126 cows trapped inside.	uprooting trees and leveling a barn and several sheds. It continued northeast, passing through the southern and eastern outskirts of Poynette, downing three silos and demolishing some farm buildings and a garage. It lifted back into the clouds near Rio.
Pierce County	07 2020CST 0 0 4 0 Wind Strong winds in Beldenville overturned and crushed one mobile home and toppled two trees onto another. The storm also uprooted several other large trees.	Columbia and Green Lake Counties A tornado touched down just north of Rio in Columbia County. Most of the damage was reported at two farms near Cambria. A house and house trailer were demolished, and all buildings were down on
Chippewa and Clark Counties	A tornado touched down near Stanley in Chippewa County and moved east-northeast to the Township of Withee in Clark County. On one farm it flattened two barns, some machine sheds, and snapped a silo in half. The tornado destroyed two other barns and sheds along the way. Some house damage was also reported. Several large trees were snapped or uprooted, including 13 in one yard.	one farm. Ten cows were crushed, and one person was injured. The tornado leveled five other barns on the way to Marksan in Green Lake County, where it claimed another barn and silo and uprooted trees before lifting. Dane and Columbia D8 0010CST 18 50 0 0 6 5 Tornado (F2) Counties A tornado destroyed 22 of the 24 grain bins at a grain company just northeast of DeForest in northern Dane County, resulting in over \$2 million damage.
Marathon County	07- 2200-0010CST 5 0 Wind 08 A severe thunderstorm, packing winds above 60 mph.	This was reported to be the largest total of any farm, residential, or rural site of the June 8th tornado outbreak. Trees were uprooted and roofs were taken off two houses in DeForest.
	cut a 20-30 mile long swath through Marathon County. It caused approximately \$80,000 in damage to a barn and silo in the Township of Day, then moved northeast to Maine downing trees and causing power failures. 50 trees were toppled or snapped at a nursing home in Stettin and a mobile home was moved off its foundation. The same happened to a garage in Maine.	Columbia County 08 0049CST 9 30 0 0 5 4 Tornado (F1) This tornado touched down near East Bristol about five miles southwest of Columbus. It downed all trees on one farm and took the roof off a barn. One other outbuilding was destroyed and several more trees were uprooted along the route.
Oneida County	07 2230CST 4 0 Wind Thunderstorm winds, clocked at 58 mph, toppled a tree onto a trailer and freed some animals at a zoo in Minocqua when their pens were crushed.	Dodge County 08 0117CST 11 50 0 1 6 5 Tornado (F2) The tornado caused \$640,000 damage to 30 buildings near Beaver Dam. Three barns, two garages and one business building were destroyed. There was also extensive damage to at least 5 homes in the area.
Price County	07 2230CST 1 50 0 0 4 0 Tornado (F1) A tornado touched down briefly in the Town of Hill in Price County. It downed a large tree, crushing a mobile home. A barn was shifted off its founda- tion, a machine shed was flattened, and the top of a silo was blown off.	Agricultural-related damage from this tornado outbreak in Iowa, Dame, Columbia, and Dodge Counties totaled about \$12.6 million. 20 farm homes were destroyed, 113 damaged; 141 farm service buildings destroyed, 181 damaged; 341 pieces of farm equipment destroyed, 1,027 damaged; 188 head of cattle, 77 hogs, and 2 steers were killed or had to be destroyed.
		Columbia County 08 0040CST 0 0 ? 0 Wind Thunderstorm winds downed several large oak trees along a % mile stretch in Doylestown.
	In the early morning hours of the 8th, a cluster of severe thunderstorms moved into southern Wisconsin from lowa, spawning a family of tornados that ripped through the south central part of the state. One tornado devastated the village of Barneveld, population 600, with officials calling it the "Deadliest tornado in Wisconsin since April 4, 1958".	Green County 09 1902CST 0.2 25 0 0 0 Tornado (FO) A small tornado touched down briefly in an open field just outside of Albany. During the evening of the 9th, a series of thunder-storms moved through southeast Wisconsin producing wind next of 40.5 methods in the storms in the storms of the storms will be set of 40.5 methods in the storms in the storms of the sto
		wind gusts of 40-50 mph and up to three inches of rain, causing localized flooding problems.

	:		JUNE 198
PLACE	STANDAD STANDA	PLACE TW OW LOW A CO	RACTER OF ORM
WISCON		WISCONSIN	,., .
Polk, Burnett, Washburn and Barron Counties	Numerous strong thunderstorms moved across these counties, dumping up to six inches of rain and causing flash flooding. There were flooded basements and several highway washouts. Pieces of farm equipment fell into a washed out highway at Grantsburg in Burnett County, which recorded 5.28 inches of rain. Twelve cows were swept away by flood waters. Docks and boats floated away on area lakes. Crop damage estimates were \$1.1	Dane County 17 1830CST 0 0 5 0 Lightni A fire started by lightning destroyed a \$70,000 home at Columbus. Lafayette County 22 0956CST 1 50 0 0 3 0 Tornado Three families and a fireman saw a tornado touch down three miles southeast of Blanchardville in the northeast corner of the county. It uprooted trees, tore off a barn door, and blew out some	
,	million in Burnett County. \$1.5 million worth of topsoil washed away in Polk County.	windows before lifting near the Green County line.	
Dane County	13' 0305CST 0 0 4 0 Lightning Lightning fire caused an estimated \$30,000 damage to a west side Madison home.	Thunderstorm winds downed a few trees and power lines in Sturgeon Bay and caused an estimated \$80,000 crop damage in the county.	
Vernon, Richland, Monroe, LaCrosse and Juneau County	A series of heavy thunderstorms dumped up to 6.1 Inches of rain within a two-hour period in some places. The hardest hit areas were southern Monroe, southern LaCrosse, and northern Yernon Counties, with numerous road and bridge washouts and closingscausing \$350,000 damage, over \$1.5 million in crop losses, and over \$630,000 in pro- perty damage, including flooded basements. Just	In the early afternoon of the 26th, a line of severe thunderstorms developed in eastern Minnesota. Between then and 2300 CST, the squall line swept southeastward across the entire state of Wisconsin, affecting every county in the state. Coverage of storms in the line was nearly soild. Numerous reports of downed trees and power lines, quarter and golf-ball size hail, and wind gusts to 60 mph were received from throughout the state. There were many funnel sightings during the evening and four confirmed touchdowns.	
	after 2200 CST, flood waters of Timber Coulee Creek swept away 64 cars parked at a gathering four miles north of Westby in northern Vernon County. The cars sustained nearly \$300,000 damage and ended up 1/4 mile to one mile downstream. Some people "just hung on" as they climbed on top of cars cautht in trees. Most were moved to higher	Price and Vilas 26 1530CST 0 0 0 0 Mind Counties Strong thunderstorm winds took down numerous trees in a 20 mile long swath from the Sawyer County line to Park Falls. Boulder Junction in Vilas County also reported numerous trees down.	
	ground. One person exclaimed, "I had no idea any- thing like that happened around here". Eight buses, a pick-up, and tractor were damaged in a mudslide in LaCrosse County, and flooded basements, streets and highways were common as far away as Juneau County. Some lowland flooding and tem- porary highway closings were reported further east during the night across south central Wisconsin to	Clark County 26 1645CST 0 0 4 0 Wind Strong winds caused \$40,000 damage to a farm located three miles east of Christie, toppling a silo, tipping over farm equipment and taking the roof off a shack.	
Sheboygan County	Fond du Lac County. 17 0115CST 0 0 4 0 Lightning Lightning fire consumed a barn, 10 tons of hay, equipment and personal items near Plymouth.	Marathon County 26 1655CST 8 100 0 0 4 0 Tornado A tornado touched down in the northern part of the county about 13 miles north of Wausau and skipped eastward to the town of Texas. It caused an estimated \$30,000 damage to 4 houses and 3 farm buildings. It also destroyed a few sheds	o (F1)
Kenosha County	17, 1430-1545CST 0 0 5 0 Wind	and uprooted trees.	
	Strong thunderstorm winds swept eastward through the county. blowing a mobile home 100 feet and tipping it over on the roof, downing trees and power lines, and wrapping a shed around a tree, then uprooting another tree and blowing it 175 feet into a garage. The storm also flattened a garage and blew it into a neighbor's yard, and peeled part of the roof off a building.	Monroe and Jackson Counties Thunderstorm winds knocked down or uprocted 100 Thunderstorm winds knocked down or uprocted 100 trees at a campground located 6 miles east of Sparta in Monroe County. Winds knocked a tree down on top of a mobile home near Miliston in Jackson County, and also damaged another mobile home near Knapp. Downed trees crushed portions of two cars in Tomah in Monroe County.	
Buffalo County	17 1630CST 1 25 0 0 3 0 Tornado (F0) Several witnesses described the tail of a small tornado dipping down to a marina at Alma, lifting large metal docks and tossing them around, ramming a covered dock into the bank, and pushing a 40 foot ramp to the top of the roadway.	Shawano County 26 1900CST 4 50 0 0 5 0 Tornado A tornado touched down on the west side of Caro- line, flattening sheds and knocking over several large trees and gravestones in a cemetary. It then ripped the roof off a church on the east side. The entire town was without power for three hours.	o (F1)
	On the evening of the 17th, a squall line moved through south central and southeast Wisconsin. 50-70 mph wind gusts were common throughout the area along with some downed trees and power lines. There were numerous confirmed funnel cloud sightings, 11 in Dodge County alone, but no confirmed touchdowns.	Sauk County 26 1957CST 10 50 0 0 4 0 Tornado A tornado touched down about three miles east of Line Ridge, destroying a corn crib and pole barn. It then moved eastward to Rock Springs. It was last sighted on the outskirts of Baraboo, causing minor damage.	o (FO)
Grant and Lafayette Counties	17 1700CST 0 0 4 0 Wind Strong thunderstorm winds peeled roof sections off a church and one other building at Platteville. It also uproaced several trees south and west of the church. The storm then continued northeastward to Belmont, downing more trees and causing power outages.	Milwaukee County 26 2200CST 0 0 0 Wind Strong winds uprooted 3 large trees east of Muskego. Several funnel clouds were also sighted in the area.	
Dane County	17 1813CST 0 0 ? 0 Wind Wind gusts to 70 mph were recorded at the Dane County Airport in Madison.		
Dane County	17 1815CST 0 0 4 0 Lightning A lightning fire destroyed a barn and damaged a silo at Rutland, located 14 miles south of Madison.		

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48 WYOMING	1	WYOMI	NG
Casper	03 1400MST	Southern Johnson	13 2000MST
	Strong thunderstorms produced gusts up to 60 mph and marble sized hail in the Casper area. No damage was reported.	County	One-inch diameter hail fell between Kaycee and Sussex with no damage reported.
Campbell County	05 1210MST	Laramie County	14 1500-1600 0 0 0 Funnel clouds
	A brief funnel cloud was reported 35 miles northeast of Gillette.		. MST Two funnel clouds were sighted about 15 to 20 miles north of
Campbell County	08 1840MST 0 0 0 0 Funnel cloud		Cheyenne. They both lasted about five minutes before retreating into the parent cloud.
	Another brief funnel cloud was reported 20 miles southwest of Gillette.	Northwest Natrona County	14 1620MST 0 0 2 0 Hail
Lincoln County	10 1000-1300 0 1 3 0 High winds MST	county	Golf-ball sized hail fell northeast of Arminto causing some damage to a few cars.
	Localized gusty winds forced down an airplane near the Afton airport, injuring the pilot slightly. Winds also damaged farm outbuildings near Cokeville.	Natrona County	14 1800MST 0 0 0 0 Funnel clouds Two funnel clouds were reported 15 miles north of Casper.
Rawlins, Carbon County	10 1555MST 0 0 0 0 High winds	Gillette, Campbell County	14 2045MST 0 0 2 0 High winds
	A thunderstorm gust to 55 mph was recorded at the Rawlins airport. No damage was reported.	- County	Winds up to 65 mph struck the Gillette area in a thunderstorm, producing little damage.
Powell, Park County	13 Early aftn 0 0 0 4 Hail	Fremont County	14 2100-2200 0 0 3 0 Hail
Northwest Converse	Golf-ball sized hail heavily damaged grain crops in the Powell area.		Hail as large as golf balls pelted parts of northwest Fremont County from Fort Washakie to Kinnear. A few vehicles were damaged.
County	A small tornado touched down briefly in the Powder River mining district. Golf-ball sized hail also fell. No damage occurred as the storm was in open country.	Chugwater, Platte County	15
Near Bill, Niobrara	13 1540MST .5 10 0 0 0 Tornado (F0)	Northwest Sheridan	least of Chugwater with no damage. 15 Aftn .5-1 20 0 0 0 3 Tornado (Fi)
County	A small tornado touched down briefly in open country about seven miles east of Bill.	County	An unusual tornado formed near the ridge of the northern Big Horn Mountains west of Dayton and dropped down briefly along a slope. Over 30 acres of trees were broken off about six feet off the
Near Bill, Converse County	13 1545MST 2 20 0 0 4 0 Tornado (F1) Hafi	Factoria Communication	ground.
	A tornado touched down about three miles southwest of Bill, damaging ranch outbuildings, barns, and some mobile homes. Quite a few electricity and telephone poles were knocked down. A few	Eastern Converse County	18 1230MST .5 10 0 0 0 0 Tormado (FO) A small tormado briefly touched down in open country about 20 miles west of Douglas.
	cars were damaged by the tennis-ball sized hail that accompanied the storm.	Natrona County	18 1355MST .5 10 0 0 0 0 Tornado (FO)
Eastern Converse County	13 1645MST 0 0 0 0 Hail		A small tornado touched down briefly in open country about 13 miles west of Casper.
	Baseball sized hail fell 25 miles northeast of Glenrock with no damage reported.	Near Rawlins, Carbon County	18 1415MST 0 0 0 Funnel cloud
Near Bill, Niobrara	13 1655MST 1 15 0 0 0 Tornado (FO)		A funnel cloud was sighted about six miles west of Rawlins.
	A weak tornado touched down briefly about seven miles northeast of Bill over open country.	Near Cody, Park County	20 Aftn .5-1 10 0 0 2 0 Tornado (FO) A weak tornado touched down a few miles southwest of Cody, damaging
Hawk Springs, Goshen County	13	Campbell County	a barn and some outbuildings on a ranch. 20 1500MST 0 0 0 Funnel cloud
	Hail up to the size of golf balls fell over a small strip centered on Hawk Springs. Most of the damage was to grain crops near the town, with some cars receiving window damage.	Campberr Country	A brief funnel cloud was sighted about 30 miles northwest of Gillette.
Northeast Wyoming	13 Late Aftn 0 0 3 0 Winds, hail	Torrington, Goshen County	22 2200-2235 .5 10 0 0 0 0 Tornado (FO) MST 0 0 6 5 Hail
	Strong thunderstorms scattered throughout northeast Wyoming produced widespread minor damage to ranch outbuildings and mobile homes as marble size hail and winds up to 50 mph struck the area. Some hail as large as golf balls fell near Ranchester, 20 miles northwest of Sheridan. Winds were also reported to be near 60 mph in the Upton and Sundance areas.		All of the damage occurred due to the heavy fall of hail up to 1 1/2 inches in diameter. Extensive damage to cars and buildings occurred, and 10,000 acres of crops were severely smashed. A weak tornado formed as the storm went northeast of the city, briefly touching down outside town and then dissipating.
Near Douglas, Converse County	13 1700MST .5-1 10-20 0 0 3 0 Tornado (FO) A weak tornado briefly touched down in a trailer court 20 miles north of bouglas, causing minor damage to some mobile homes.	Near Lovell, Big Horn County	25 1500MST 0 0 2 0 High winds Thunderstorm winds lifted a roof off a large shed a few miles east of Lovell.
Lance Creek,	13 1800MST 3-4 20-30 0 1 5 0 Tornado (F2)	Lovell, Big Horn	29 1700MST 0 0 3 0 High winds
Niobrara County	The strongest tornado of the outbreak on the l3th touched down about two miles south of Lance Creek and moved through the south end of town. A small house addition was completely demolished, and several other outbuildings were destroyed. Hail up to tennisball size fell also, damaging some cars and injuring one person in a car.	County	Winds up to 60 mph toppled trees and ripped up roofs in Lovell.
Near Lance Creek, Niobrara County	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		

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entral Tanana Valle nd Yukon/Tanana	15-				0	0 6	3	Flooding													
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	June As t	: 13, a sl :he occlud	ow-moving ed portic	g fron	tal s	ystem en ront piv	tered to	he Gulf of Alaska. over the Tanana													
	the	eastern T	anana Val	lley.	On J	une 15,	the sta	ral, especially over lled out portion of tern Copper River													
	Basi	n and the m totals	central in the no	Tanan orthea	a Val st Ch	ley, whe	re rain r basin	fall became heavy. approached 3 inches													
	quar	ter inch.	The rai	in con	tinue	d on Jur	e 16, a	, had less than a nd tapered off June Upper Chena River													
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	mino no l	or floodin nomes were	g occurre actually	ed dow y floo	mstre ded,	am on the	e Tanar r was h	a River at Nemana; igh in some													
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Vest Virginia Visconsin Vyoming	15 16	6 5	9	202	8		1	6	6		1 1	6	5		1	5				6	6														
Alaska Hawaii Pacific Puerto Rico Virgin Islands												5								6	3														

REFERENCE NOTES

#

Storm damage categories are from

1 to 9 as follows:

- 1 Less than \$50
- 2 \$50 to \$500
- 3 \$500 to \$5,000
- 4 \$5,000 to \$50,000
- 5 \$50,000 to \$500,000
- 6 \$500,000 to \$5 Million
- 7 \$5 Million to \$50 Million
- 8 \$50 Million to \$500 Million
- 9 \$500 Million to \$5 Billion

- * Miles instead of yards
- ** Yards instead of miles
- @ Includes heavy sleet storm
 - Freezing drizzle and freezing rain, commonly known as glaze
- Not received or incomplete
- O/c Under Estimated Damage,

Property/Crops, indicates crop

damage amount is included

in the figure given

<u>Definition of Fujita Tornado Scale (F scale)</u>

- (FO) Gale tornado (40-72 mph): Light damage Some damage to chimneys; break branches off trees; push over shallow-rooted trees; damage sign boards.
- (F1) Moderate tornado (73-112 mph): Moderate damage

The lower limit (73 mph) is the beginning of hurricane wind speed; peel surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads.

(F2) Significant tornado (113-157 mph): Considerable damage

Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light-object missiles generated.

(F3) Severe tornado (158-206 mph): Severe damage

Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.

(F4) Devastating tornado (207-260 mph): Devastating damage

Well-constructed houses leveled; structure with weak foundation blown off some distance; cars thrown and large missiles generated.

(F5) Incredible tornado (261-318 mph): Incredible damage

Strong frame houses lifted off foundations and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 m; trees debarked; incredible phenomena will occur.

(F6-F12) (319 mph to Mach 1, the speed of sound): The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

(F0+F1) Weak Tornado

(F2+F3) Strong Tornado

(F4+F5) Violent Tornado

From J. Atmos. Sci., August 1981, p. 1517-1519









USCOMM-NOAA-ASHEVILLE, NC 1984-2500

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COMPARATIVE CLIMATIC DATA

Presents tables of monthly and annual averages, totals or extreme climate conditions for approximately 300 major population centers. This publication is particularly helpful for comparing temperature, rainfall, snowfall, wind velocities, sunshine, cloudiness and relative humidities for the principal cities. The cities are listed alphabetically by state in two sections: observed data and climatological normals. This is an annual publication.

STORM DATA

Monthly issue presents a chronological listing, by states, of occurrences of storms and unusual weather phenomena, together with data on the paths of individual storms, deaths, injuries, and estimated property damage, and a brief narrative description of each event. A new section in the bulletin entitled "OUTSTANDING STORMS OF THE MONTH" highlights severe weather and includes descriptive photographs of storms, their tracks, and analyzed maps. The December issue includes annual summaries of tornadoes and lightning and

MONTHLY CLIMATIC DATA FOR THE WORLD

Contains monthly means of temperature, pressure, precipitation, vapor pressure and sunshine for about 2,500 surface data stations worldwide. Also contains monthly mean upper air temperatures, dew point depressions and wind velocities for ten standard levels.

LOCAL CLIMATOLOGICAL DATA

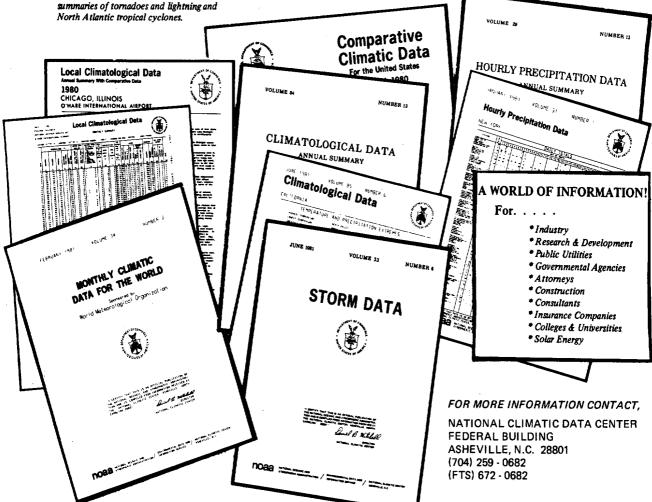
Published monthly for each firstorder station. Presents daily maximum and minimum temperatures, degree day data, precipitation, station pressures, wind statistics, sunshine and sky cover data, as well as 3-hourly data for certain parameters. An annual issue is available summarizing monthly data and including up to 40 years record, and featuring a narrative climatological summary and history of the station.

CLIMATOLOGICAL DATA

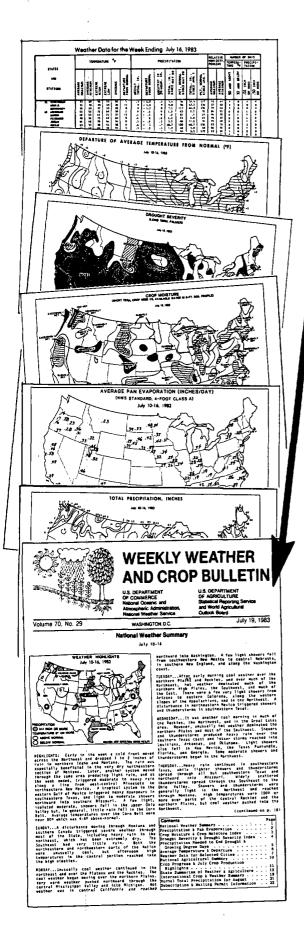
Published monthly for each state. Gives daily temperature and precipitation records, and monthly averages and totals, with departures from normal when available. Also derived statistics such as heating and cooling degree days, counts of days equaling or exceeding given temperature and precipitation thresholds, extremes, etc., are published for cooperative and first-order stations. Evaporation and soil temperature data are given for reporting stations. Seasonal snowfall, heating and cooling degree day tables included in selected tables. Annual summary also available,

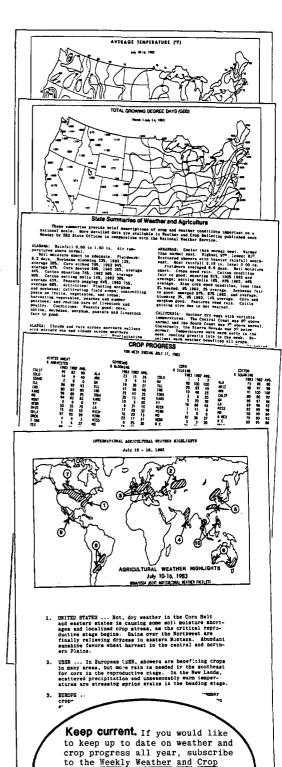
HOURLY PRECIPITATION DATA

Monthly issue presents daily, hourly and maximum short duration data for the recording gage stations for each state except Alaska. The annual issue tabulates monthly and annual totals, and annual maximum precipitation data by selected time categories.



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 SOUTHEAST ASIA ... Moderate rain benefited the southcentral rice area of Thailand. Two tropical storms, bringing needed moisture to the Philippines, also caused some crop damage.

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